

### T330 Series

KEMET T330 Series, polar-type, radial lead rectangular Precision Molded Tantalum (PMT) capacitors are primarily designed for applications that demand full use of the premium space available in printed circuitry and high density packaging. Compact, space saving T330 Series capacitors provide superior packing factor and space utilization compared with tubular units of the same microcoulomb (CV) rating.

T330 Series capacitors employ a rectangular sintered, dry tantalum anode, transfer molded in precision dies with a high impact resistant plastic having excellent electrical, physical, and moisture resistant properties. All cases utilize gold color plastic which permits laser marking with outstanding permanency and legibility. The polarity is indicated by a + sign permanently marked on the case. The radius on the two vertical edges at the positive end of B, C, and D Cases can be used as a sensing dimension for automatic insertion processes.

### T340 Series

The compact space saving T340 Series is transfer molded in precision dies with a high impact resistant plastic having excellent electrical, physical, and moisture resistant properties. The gold color plastic case utilized permits laser marking with outstanding permanency and legibility.

Marking is provided on the top of the case to allow visual inspection for proper polarity and placement after insertion. In addition, positive polarity identification is achieved by an easily recognized molded radius on the positive end of the case. This physical polarity identification is readily observed after capacitor placement as a further aid to the top marking in prevention of possible reverse insertion.

The location of the standoffs may serve a similar sensing function for the A Case. These standoffs, located in the base of all case sizes, provide vents for air circulation and also allow easy removal of flux residues from leadwire and circuit board solder joints.

T330 Series capacitors are highly reliable and exhibit performance characteristics typical of military test standards. They are available in capacitance values ranging from 0.1 to 220 microfarads in  $\pm 20$ ,  $\pm 10$ ,  $\pm 5\%$  tolerance levels, and in working voltages from 6 to 50 volts. At 85°C the capacitors will operate continuously at full rated voltage. They are rated to 125°C when operated at 2/3 of nameplate voltage. In addition, they feature exceptionally low DC leakage and Dissipation Factor characteristics.

They are ideal for bypass, coupling, and timing applications in computers, military ordinance, industrial, entertainment, and consumer electronic equipment.

Standoffs, located in the base of all case sizes, provide vents for air circulation and also allow easy removal of flux residues from leadwire and circuit board solder joints. With very low impedance and ESR values, the T340 Series features exceptionally low DC leakage and DF characteristics. The T340 Series is available in standard  $\pm 20\%$ ;  $\pm 10\%$ ;  $\pm 5\%$  (special order) capacitance tolerance.

T340 Series capacitors are highly reliable and exhibit performance characteristics typical of military test standards.

## PERFORMANCE CHARACTERISTICS

- **CAPACITANCE/VOLTAGE RANGE:**  
 T330: 0.1-220 $\mu$ F, 6-50 Volts.  
 T340: 0.1-330 $\mu$ F, 6-50 Volts.
- **CAPACITANCE TOLERANCE:** Available in standard EIA nominal values with  $\pm 20\%$  tolerance standard,  $\pm 10\%$  and  $\pm 5\%$  available on special order.
- **DISSIPATION FACTOR:** Maximum DF limits are shown in corresponding series part number listing. See Application Notes Section, page 78.
- **DC LEAKAGE CURRENT:** Maximum leakage values at 25°C are shown in part number listings, pages 51, 52, 55, 56 and 57. See Application Notes Section, page 76.
- **RATED VOLTAGE; WORKING VOLTAGE; SURGE VOLTAGE; REVERSE VOLTAGE:** See Application Notes Section, pages 76 & 77 for description.
- **IMPEDANCE and ESR:** See Application Notes Section, page 77 & 78 for additional information. Reference ESR values are shown in table below.
- **AC RIPPLE VOLTAGE:** Permissible AC ripple voltage is related to ESR of the capacitor and the power dissipation capabilities of a particular case size. Thermal capacities for the various case sizes have been determined and are listed in Table below. For additional description see page 78.

#### T330/T340 ESR (OHMS) at 100 kHz @ +25°C

(The ESR values provided below are for reference only.  
 No warranty, as stated on page 3 and reincorporated here, is made as to the accuracy of these values for any particular T330/T340 Series product.)

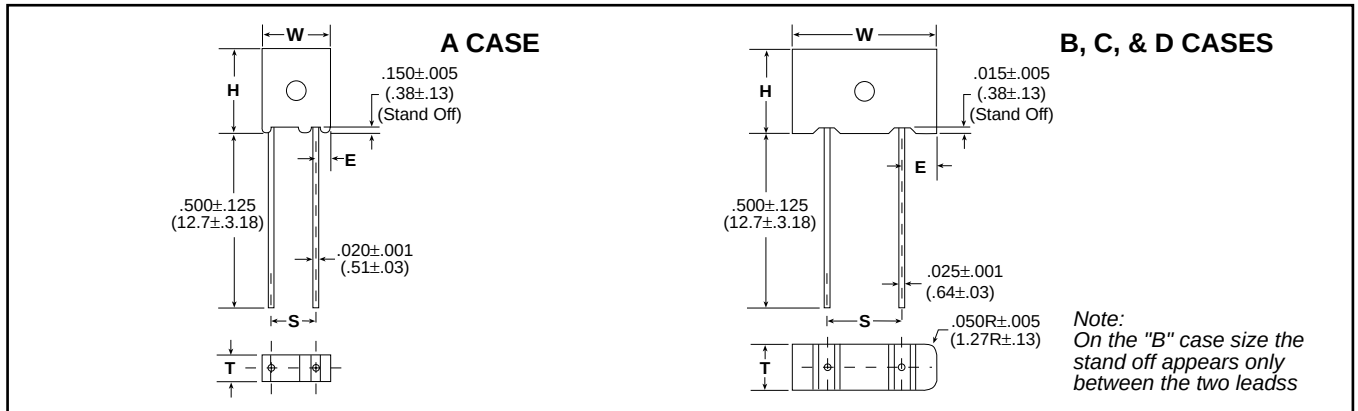
| Cap.<br>$\mu$ F | 6<br>Volt | 10<br>Volt | 15<br>Volt | 20<br>Volt | 25<br>Volt | 35<br>Volt | 50<br>Volt |
|-----------------|-----------|------------|------------|------------|------------|------------|------------|
| 0.10            |           |            |            |            |            | 26.0       | 26.0       |
| 0.15            |           |            |            |            |            | 21.0       | 21.0       |
| 0.22            |           |            |            |            |            | 17.0       | 17.0       |
| 0.33            |           |            |            |            |            | 15.0       | 15.0       |
| 0.47            |           |            |            |            |            | 13.0       | 13.0       |
| 0.68            |           |            |            |            |            | 10.0       | 10.0       |
| 1.00            |           |            |            |            |            | 8.0        | 8.0        |
| 1.50            |           |            |            |            | 8.0        | 6.0        | 5.0        |
| 2.20            |           |            |            | 7.0        | 6.0        | 5.0        | 3.5        |
| 3.30            |           |            | 6.0        | 5.5        | 5.0        | 4.0        | 3.0        |
| 4.70            |           | 8.0        | 5.0        | 4.5        | 4.0        | 3.0        | 2.5        |
| 6.80            | 8.0       | 6.0        | 4.0        | 3.6        | 3.1        | 2.5        | 2.0        |
| 10.0            | 6.0       | 5.0        | 3.2        | 2.9        | 2.5        | 2.0        | 1.6        |
| 15.0            | 5.0       | 3.7        | 2.5        | 2.3        | 2.0        | 1.6        | 1.2        |
| 22.0            | 3.7       | 2.7        | 2.0        | 1.8        | 1.5        | 1.3        | 1.0        |
| 33.0            | 3.0       | 2.1        | 1.6        | 1.4        | 1.2        | 1.0        |            |
| 47.0            | 2.0       | 1.7        | 1.3        | 1.2        | 1.0        | 0.8        |            |
| 68.0            | 1.8       | 1.3        | 1.0        | 0.9        | 0.8        |            |            |
| 100.0           | 1.6       | 1.0        | 0.8        | 0.6        |            |            |            |
| 150.0           | 0.9       | 0.8        | 0.6        |            |            |            |            |
| 220.0           | 0.9       | 0.6        |            |            |            |            |            |
| 330.0           | 0.7       |            |            |            |            |            |            |

| Series    | Case Size | Watts |
|-----------|-----------|-------|
| T330/T340 | A         | .09   |
|           | B         | .09   |
|           | C         | .100  |
| T330      | D         | .125  |
|           |           |       |
| T340 only | D/F       | .125  |
|           | E         | .180  |

**Maximum Power Dissipation: 25°C Ambient**

- **ENVIRONMENTAL CONSIDERATIONS:**
  - A. Shock Test: MIL-STD-202, Method 213.
  - B. Thermal Shock, MIL-STD-202, Method 107.
  - C. Moisture Resistance: MIL-STD-202, Method 106.
  - D. Solderability: MIL-STD-202, Method 208.
 For additional Environmental Test Information see pages 80, 81 and 82.
- **LEAD MATERIAL:** Solder coated steel core with copper ply per MIL-STD-1276.
- **LEAD TAPE and REEL:** Reeling per specification RS-468. See pages 71 and 73 for additional information.

### CAPACITOR OUTLINE DRAWINGS



### DIMENSIONS — INCHES & (MILLIMETERS)

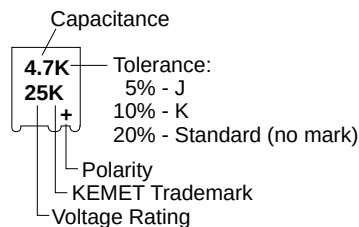
| CASE SIZE | H CASE HEIGHT                | W CASE WIDTH                  | T CASE THICKNESS             | E CASE TO WIRE               | S LEAD SPACING               |
|-----------|------------------------------|-------------------------------|------------------------------|------------------------------|------------------------------|
| A         | .345 ± .008<br>(8.76 ± .203) | .230 ± .005<br>(5.84 ± .127)  | .105 ± .005<br>(2.67 ± .127) | .050 ± .010<br>(1.27 ± .25)  | .125 ± .005<br>(3.18 ± .127) |
| B         | .225 ± .015<br>(5.71 ± 0.38) | .285 ± .015<br>(7.24 ± 0.38)  | .170 ± .015<br>(4.32 ± 0.38) | .042 ± .010<br>(1.07 ± .25)  | .200 ± .005<br>(5.08 ± .127) |
| C         | .325 ± .015<br>(8.26 ± 0.38) | .325 ± .015<br>(8.26 ± 0.38)  | .170 ± .015<br>(4.32 ± 0.38) | .062 ± .010<br>(1.57 ± 0.25) | .200 ± .005<br>(5.08 ± .127) |
| D         | .375 ± .015<br>(9.53 ± 0.38) | .600 ± .015<br>(15.24 ± 0.38) | .195 ± .015<br>(4.95 ± 0.38) | .200 ± .010<br>(5.08 ± 0.25) | .200 ± .005<br>(5.08 ± .127) |

### ORDERING INFORMATION



**\*Part Number Example: T330B104M035AS (14 digits – no spaces)**

### MARKING INFORMATION



## RATINGS & PART NUMBER REFERENCE

### A CASE

| CAPACITANCE<br>μF                                       | CASE<br>SIZE | KEMET PART NUMBER       | D.C.<br>LEAKAGE<br>μA@25°C | MAX.<br>DISSIPATION<br>FACTOR<br>%@25°C,<br>120Hz |
|---------------------------------------------------------|--------------|-------------------------|----------------------------|---------------------------------------------------|
| <b>6 VOLT RATING AT 85°C — 4 VOLT RATING AT 125°C</b>   |              |                         |                            |                                                   |
| 18.0                                                    | A            | T330A186(1)006AS        | 1                          | 6                                                 |
| <b>22.0</b>                                             | <b>A</b>     | <b>T330A226(1)006AS</b> | <b>1</b>                   | <b>6</b>                                          |
| <b>10 VOLT RATING AT 85°C — 7 VOLT RATING AT 125°C</b>  |              |                         |                            |                                                   |
| <b>10.0</b>                                             | <b>A</b>     | <b>T330A106(1)010AS</b> | <b>1</b>                   | <b>6</b>                                          |
| 12.0                                                    | A            | T330A126(1)010AS        | 1                          | 6                                                 |
| 15.0                                                    | A            | T330A156(1)010AS        | 1                          | 6                                                 |
| <b>15 VOLT RATING AT 85°C — 10 VOLT RATING AT 125°C</b> |              |                         |                            |                                                   |
| 8.2                                                     | A            | T330A825(1)015AS        | 1                          | 6                                                 |
| <b>20 VOLT RATING AT 85°C — 13 VOLT RATING AT 125°C</b> |              |                         |                            |                                                   |
| 5.6                                                     | A            | T330A565(1)020AS        | 1                          | 6                                                 |
| <b>6.8</b>                                              | <b>A</b>     | <b>T330A685(1)020AS</b> | <b>1</b>                   | <b>6</b>                                          |
| <b>25 VOLT RATING AT 85°C — 17 VOLT RATING AT 125°C</b> |              |                         |                            |                                                   |
| 3.3                                                     | A            | T330A335(1)025AS        | 1                          | 4                                                 |
| 3.9                                                     | A            | T330A395(1)025AS        | 1                          | 4                                                 |
| <b>4.7</b>                                              | <b>A</b>     | <b>T330A475(1)025AS</b> | <b>1</b>                   | <b>4</b>                                          |
| <b>35 VOLT RATING AT 85°C — 23 VOLT RATING AT 125°C</b> |              |                         |                            |                                                   |
| 0.10                                                    | A            | T330A104(1)035AS        | 1                          | 3                                                 |
| 0.12                                                    | A            | T330A124(1)035AS        | 1                          | 3                                                 |
| 0.15                                                    | A            | T330A154(1)035AS        | 1                          | 3                                                 |
| 0.18                                                    | A            | T330A184(1)035AS        | 1                          | 3                                                 |
| 0.22                                                    | A            | T330A224(1)035AS        | 1                          | 3                                                 |
| 0.27                                                    | A            | T330A274(1)035AS        | 1                          | 3                                                 |
| 0.33                                                    | A            | T330A334(1)035AS        | 1                          | 3                                                 |

| CAPACITANCE<br>μF                                       | CASE<br>SIZE | KEMET PART NUMBER       | D.C.<br>LEAKAGE<br>μA@25°C | MAX.<br>DISSIPATION<br>FACTOR<br>%@25°C,<br>120Hz |
|---------------------------------------------------------|--------------|-------------------------|----------------------------|---------------------------------------------------|
| <b>35 VOLT RATING AT 85°C — 23 VOLT RATING AT 125°C</b> |              |                         |                            |                                                   |
| 0.39                                                    | A            | T330A394(1)035AS        | 1                          | 3                                                 |
| 0.47                                                    | A            | T330A474(1)035AS        | 1                          | 3                                                 |
| 0.56                                                    | A            | T330A564(1)035AS        | 1                          | 3                                                 |
| 0.68                                                    | A            | T330A684(1)035AS        | 1                          | 3                                                 |
| 0.82                                                    | A            | T330A824(1)035AS        | 1                          | 3                                                 |
| <b>1.0</b>                                              | <b>A</b>     | <b>T330A105(1)035AS</b> | <b>1</b>                   | <b>3</b>                                          |
| 1.2                                                     | A            | T330A125(1)035AS        | 1                          | 4                                                 |
| 1.5                                                     | A            | T330A155(1)035AS        | 1                          | 4                                                 |
| 1.8                                                     | A            | T330A185(1)035AS        | 1                          | 4                                                 |
| 2.2                                                     | A            | T330A225(1)035AS        | 1                          | 4                                                 |
| <b>2.7</b>                                              | <b>A</b>     | <b>T330A275(1)035AS</b> | <b>1</b>                   | <b>4</b>                                          |
| <b>50 VOLT RATING AT 85°C — 33 VOLT RATING AT 125°C</b> |              |                         |                            |                                                   |
| 0.10                                                    | A            | T330A104(1)050AS        | 1                          | 3                                                 |
| 0.12                                                    | A            | T330A124(1)050AS        | 1                          | 3                                                 |
| 0.15                                                    | A            | T330A154(1)050AS        | 1                          | 3                                                 |
| 0.18                                                    | A            | T330A184(1)050AS        | 1                          | 3                                                 |
| 0.22                                                    | A            | T330A224(1)050AS        | 1                          | 3                                                 |
| 0.27                                                    | A            | T330A274(1)050AS        | 1                          | 3                                                 |
| 0.33                                                    | A            | T330A334(1)050AS        | 1                          | 3                                                 |
| 0.39                                                    | A            | T330A394(1)050AS        | 1                          | 3                                                 |
| 0.47                                                    | A            | T330A474(1)050AS        | 1                          | 3                                                 |
| 0.56                                                    | A            | T330A564(1)050AS        | 1                          | 3                                                 |
| 0.68                                                    | A            | T330A684(1)050AS        | 1                          | 3                                                 |
| 0.82                                                    | A            | T330A824(1)050AS        | 1                          | 4                                                 |
| 1.0                                                     | A            | T330A105(1)050AS        | 1                          | 4                                                 |
| 1.2                                                     | A            | T330A125(1)050AS        | 1                          | 4                                                 |
| 1.5                                                     | A            | T330A155(1)050AS        | 1                          | 4                                                 |

### B, C & D CASES

| CAPACITANCE<br>μF                                      | CASE<br>SIZE | KEMET PART NUMBER | D.C.<br>LEAKAGE<br>μA@25°C | MAX.<br>DISSIPATION<br>FACTOR<br>%@25°C,<br>120Hz |
|--------------------------------------------------------|--------------|-------------------|----------------------------|---------------------------------------------------|
| <b>6 VOLT RATING AT 85°C — 4 VOLT RATING AT 125°C</b>  |              |                   |                            |                                                   |
| 10.0                                                   | B            | T330B106(1)006AS  | 1                          | 6                                                 |
| 12.0                                                   | B            | T330B126(1)006AS  | 1                          | 6                                                 |
| 15.0                                                   | B            | T330B156(1)006AS  | 1                          | 6                                                 |
| 18.0                                                   | B            | T330B186(1)006AS  | 1                          | 6                                                 |
| 22.0                                                   | B            | T330B226(1)006AS  | 1                          | 6                                                 |
| 27.0                                                   | C            | T330C276(1)006AS  | 1                          | 6                                                 |
| 33.0                                                   | C            | T330C336(1)006AS  | 1                          | 6                                                 |
| 39.0                                                   | C            | T330C396(1)006AS  | 1                          | 6                                                 |
| 47.0                                                   | C            | T330C476(1)006AS  | 2                          | 6                                                 |
| 56.0                                                   | C            | T330C566(1)006AS  | 5                          | 6                                                 |
| 68.0                                                   | C            | T330C686(1)006AS  | 5                          | 6                                                 |
| 82.0                                                   | D            | T330D826(1)006AS  | 5                          | 6                                                 |
| 100.0                                                  | D            | T330D107(1)006AS  | 5                          | 6                                                 |
| 120.0                                                  | D            | T330D127(1)006AS  | 5                          | 6                                                 |
| 150.0                                                  | D            | T330D157(1)006AS  | 5                          | 6                                                 |
| 180.0                                                  | D            | T330D187(1)006AS  | 10                         | 6                                                 |
| 220.0                                                  | D            | T330D227(1)006AS  | 10                         | 8                                                 |
| <b>10 VOLT RATING AT 85°C — 7 VOLT RATING AT 125°C</b> |              |                   |                            |                                                   |
| 5.6                                                    | B            | T330B565(1)010AS  | 1                          | 6                                                 |
| 6.8                                                    | B            | T330B685(1)010AS  | 1                          | 6                                                 |
| 8.2                                                    | B            | T330B825(1)010AS  | 1                          | 6                                                 |
| 10.0                                                   | B            | T330B106(1)010AS  | 1                          | 6                                                 |
| 12.0                                                   | B            | T330B126(1)010AS  | 1                          | 6                                                 |
| 15.0                                                   | B            | T330B156(1)010AS  | 1                          | 6                                                 |
| 18.0                                                   | C            | T330C186(1)010AS  | 1                          | 6                                                 |
| 22.0                                                   | C            | T330C226(1)010AS  | 2                          | 6                                                 |
| 27.0                                                   | C            | T330C276(1)010AS  | 2                          | 6                                                 |

| CAPACITANCE<br>μF                                       | CASE<br>SIZE | KEMET PART NUMBER | D.C.<br>LEAKAGE<br>μA@25°C | MAX.<br>DISSIPATION<br>FACTOR<br>%@25°C,<br>120Hz |
|---------------------------------------------------------|--------------|-------------------|----------------------------|---------------------------------------------------|
| <b>10 VOLT RATING AT 85°C — 7 VOLT RATING AT 125°C</b>  |              |                   |                            |                                                   |
| 33.0                                                    | C            | T330C336(1)010AS  | 2                          | 6                                                 |
| 39.0                                                    | C            | T330C396(1)010AS  | 5                          | 6                                                 |
| 47.0                                                    | D            | T330D476(1)010AS  | 5                          | 6                                                 |
| 56.0                                                    | D            | T330D566(1)010AS  | 5                          | 6                                                 |
| 68.0                                                    | D            | T330D686(1)010AS  | 5                          | 6                                                 |
| 82.0                                                    | D            | T330D826(1)010AS  | 5                          | 6                                                 |
| 100.0                                                   | D            | T330D107(1)010AS  | 10                         | 6                                                 |
| 120.0                                                   | D            | T330D127(1)010AS  | 10                         | 6                                                 |
| 150.0                                                   | D            | T330D157(1)010AS  | 10                         | 6                                                 |
| <b>15 VOLT RATING AT 85°C — 10 VOLT RATING AT 125°C</b> |              |                   |                            |                                                   |
| 3.9                                                     | B            | T330B395(1)015AS  | 1                          | 6                                                 |
| 4.7                                                     | B            | T330B475(1)015AS  | 1                          | 6                                                 |
| 5.6                                                     | B            | T330B565(1)015AS  | 1                          | 6                                                 |
| 6.8                                                     | B            | T330B685(1)015AS  | 1                          | 6                                                 |
| 8.2                                                     | B            | T330B825(1)015AS  | 1                          | 6                                                 |
| 10.0                                                    | C            | T330C106(1)015AS  | 1                          | 6                                                 |
| 12.0                                                    | C            | T330C126(1)015AS  | 1                          | 6                                                 |
| 15.0                                                    | C            | T330C156(1)015AS  | 2                          | 6                                                 |
| 18.0                                                    | C            | T330C186(1)015AS  | 5                          | 6                                                 |
| 22.0                                                    | C            | T330C226(1)015AS  | 5                          | 6                                                 |
| 27.0                                                    | C            | T330C276(1)015AS  | 5                          | 6                                                 |
| 33.0                                                    | C            | T330C336(1)015AS  | 5                          | 6                                                 |
| 39.0                                                    | D            | T330D396(1)015AS  | 10                         | 6                                                 |
| 47.0                                                    | D            | T330D476(1)015AS  | 10                         | 6                                                 |
| 56.0                                                    | D            | T330D566(1)015AS  | 10                         | 6                                                 |
| 68.0                                                    | D            | T330D686(1)015AS  | 10                         | 6                                                 |
| 82.0                                                    | D            | T330D826(1)015AS  | 10                         | 6                                                 |

(1) To complete Part Number insert Capacitance Tolerance Symbol in the 9th character, M — ±20%, K — ±10%, J — ±5%.

**Bold face** lines indicate popular part types and values.

Higher voltage and better capacitance tolerance product may be substituted for an order within the same case size at KEMET'S option.



# TANTALUM MOLDED / RADIAL

## T330 SERIES - PRECISION MOLDED - RADIAL LEADS

### B, C & D CASES (Cont'd)

| CAPACITANCE<br>μF                                       | CASE<br>SIZE | KEMET PART NUMBER | D.C.<br>LEAKAGE<br>μA@25°C | MAX.<br>DISSIPATION<br>FACTOR<br>%@25°C,<br>120Hz |
|---------------------------------------------------------|--------------|-------------------|----------------------------|---------------------------------------------------|
| <b>25 VOLT RATING AT 85°C — 17 VOLT RATING AT 125°C</b> |              |                   |                            |                                                   |
| 2.7                                                     | B            | T330B275(1)025AS  | 1                          | 6                                                 |
| 3.3                                                     | B            | T330B335(1)025AS  | 1                          | 6                                                 |
| 3.9                                                     | B            | T330B395(1)025AS  | 1                          | 6                                                 |
| 4.7                                                     | B            | T330B475(1)025AS  | 1                          | 6                                                 |
| 5.6                                                     | C            | T330C565(1)025AS  | 1                          | 6                                                 |
| 6.8                                                     | C            | T330C685(1)025AS  | 1                          | 6                                                 |
| 8.2                                                     | C            | T330C825(1)025AS  | 1                          | 6                                                 |
| 10.0                                                    | C            | T330C106(1)025AS  | 1                          | 6                                                 |
| 12.0                                                    | C            | T330C126(1)025AS  | 1                          | 6                                                 |
| 15.0                                                    | C            | T330C156(1)025AS  | 2                          | 6                                                 |
| 18.0                                                    | D            | T330D186(1)025AS  | 5                          | 6                                                 |
| 22.0                                                    | D            | T330D226(1)025AS  | 5                          | 6                                                 |
| 27.0                                                    | D            | T330D276(1)025AS  | 5                          | 6                                                 |
| 33.0                                                    | D            | T330D336(1)025AS  | 5                          | 6                                                 |
| 39.0                                                    | D            | T330D396(1)025AS  | 10                         | 6                                                 |
| 47.0                                                    | D            | T330D476(1)025AS  | 10                         | 6                                                 |
| <b>35 VOLT RATING AT 85°C—23 VOLT RATING AT 125°C</b>   |              |                   |                            |                                                   |
| 0.10                                                    | B            | T330B104(1)035AS  | 1                          | 6                                                 |
| 0.12                                                    | B            | T330B124(1)035AS  | 1                          | 6                                                 |
| 0.15                                                    | B            | T330B154(1)035AS  | 1                          | 6                                                 |
| 0.18                                                    | B            | T330B184(1)035AS  | 1                          | 6                                                 |
| 0.22                                                    | B            | T330B224(1)035AS  | 1                          | 6                                                 |
| 0.27                                                    | B            | T330B274(1)035AS  | 1                          | 6                                                 |
| 0.33                                                    | B            | T330B334(1)035AS  | 1                          | 6                                                 |
| 0.39                                                    | B            | T330B394(1)035AS  | 1                          | 6                                                 |
| 0.47                                                    | B            | T330B474(1)035AS  | 1                          | 6                                                 |
| 0.56                                                    | B            | T330B564(1)035AS  | 1                          | 6                                                 |
| 0.68                                                    | B            | T330B684(1)035AS  | 1                          | 6                                                 |
| 0.82                                                    | B            | T330B824(1)035AS  | 1                          | 6                                                 |
| 1.0                                                     | B            | T330B105(1)035AS  | 1                          | 6                                                 |
| 1.2                                                     | B            | T330B125(1)035AS  | 1                          | 6                                                 |
| 1.5                                                     | B            | T330B155(1)035AS  | 1                          | 6                                                 |
| 1.8                                                     | B            | T330B185(1)035AS  | 1                          | 6                                                 |
| 2.2                                                     | B            | T330B225(1)035AS  | 1                          | 6                                                 |
| 2.7                                                     | B            | T330B275(1)035AS  | 1                          | 6                                                 |
| 3.3                                                     | B            | T330B335(1)035AS  | 1                          | 6                                                 |
| 3.9                                                     | C            | T330C395(1)035AS  | 1                          | 6                                                 |
| 4.7                                                     | C            | T330C475(1)035AS  | 1                          | 6                                                 |
| 5.6                                                     | C            | T330C565(1)035AS  | 1                          | 6                                                 |

| CAPACITANCE<br>μF                                       | CASE<br>SIZE | KEMET PART NUMBER | D.C.<br>LEAKAGE<br>μA@25°C | MAX.<br>DISSIPATION<br>FACTOR<br>%@25°C,<br>120Hz |
|---------------------------------------------------------|--------------|-------------------|----------------------------|---------------------------------------------------|
| <b>35 VOLT RATING AT 85°C — 23 VOLT RATING AT 125°C</b> |              |                   |                            |                                                   |
| 6.8                                                     | C            | T330C685(1)035AS  | 2                          | 6                                                 |
| 8.2                                                     | C            | T330C825(1)035AS  | 5                          | 6                                                 |
| 10.0                                                    | C            | T330C106(1)035AS  | 5                          | 6                                                 |
| 12.0                                                    | D            | T330D126(1)035AS  | 5                          | 6                                                 |
| 15.0                                                    | D            | T330D156(1)035AS  | 5                          | 6                                                 |
| 18.0                                                    | D            | T330D186(1)035AS  | 10                         | 6                                                 |
| 22.0                                                    | D            | T330D226(1)035AS  | 10                         | 6                                                 |
| 27.0                                                    | D            | T330D276(1)035AS  | 10                         | 6                                                 |
| 33.0                                                    | D            | T330D336(1)035AS  | 10                         | 6                                                 |
| <b>50 VOLT RATING AT 85°C—33 VOLT RATING AT 125°C</b>   |              |                   |                            |                                                   |
| 0.10                                                    | B            | T330B104(1)050AS  | 1                          | 6                                                 |
| 0.12                                                    | B            | T330B124(1)050AS  | 1                          | 6                                                 |
| 0.15                                                    | B            | T330B154(1)050AS  | 1                          | 6                                                 |
| 0.18                                                    | B            | T330B184(1)050AS  | 1                          | 6                                                 |
| 0.22                                                    | B            | T330B224(1)050AS  | 1                          | 6                                                 |
| 0.27                                                    | B            | T330B274(1)050AS  | 1                          | 6                                                 |
| 0.33                                                    | B            | T330B334(1)050AS  | 1                          | 6                                                 |
| 0.39                                                    | B            | T330B394(1)050AS  | 1                          | 6                                                 |
| 0.47                                                    | B            | T330B474(1)050AS  | 1                          | 6                                                 |
| 0.56                                                    | B            | T330B564(1)050AS  | 1                          | 6                                                 |
| 0.68                                                    | B            | T330B684(1)050AS  | 1                          | 6                                                 |
| 0.82                                                    | B            | T330B824(1)050AS  | 1                          | 6                                                 |
| 1.0                                                     | B            | T330B105(1)050AS  | 1                          | 6                                                 |
| 1.2                                                     | B            | T330B125(1)050AS  | 1                          | 6                                                 |
| 1.5                                                     | B            | T330B155(1)050AS  | 1                          | 6                                                 |
| 1.8                                                     | B            | T330B185(1)050AS  | 1                          | 6                                                 |
| 2.2                                                     | B            | T330B225(1)050AS  | 1                          | 6                                                 |
| 2.7                                                     | C            | T330C275(1)050AS  | 1                          | 6                                                 |
| 3.3                                                     | C            | T330C335(1)050AS  | 2                          | 6                                                 |
| 3.9                                                     | C            | T330C395(1)050AS  | 5                          | 6                                                 |
| 4.7                                                     | C            | T330C475(1)050AS  | 5                          | 6                                                 |
| 5.6                                                     | C            | T330C565(1)050AS  | 5                          | 6                                                 |
| 6.8                                                     | D            | T330D685(1)050AS  | 5                          | 6                                                 |
| 8.2                                                     | D            | T330D825(1)050AS  | 5                          | 6                                                 |
| 10.0                                                    | D            | T330D106(1)050AS  | 5                          | 6                                                 |
| 12.0                                                    | D            | T330D126(1)050AS  | 5                          | 6                                                 |
| 15.0                                                    | D            | T330D156(1)050AS  | 10                         | 6                                                 |
| 18.0                                                    | D            | T330D186(1)050AS  | 10                         | 6                                                 |

(1) To complete Part Number insert Capacitance Tolerance Symbol in the 9th character, M — ±20%, K — ±10%, J — ±5%.

**Bold face** lines indicate popular part types and values.

Higher voltage and better capacitance tolerance product may be substituted for an order within the same case size at KEMET'S option.

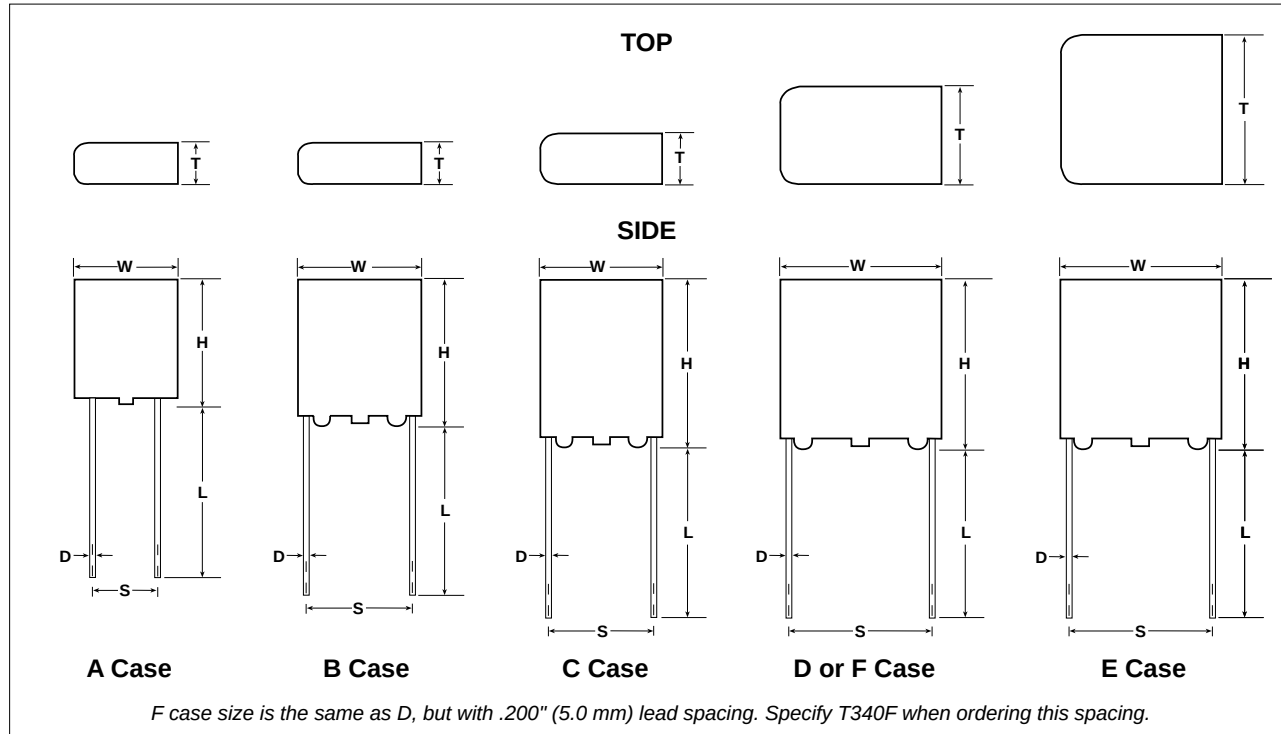
# TANTALUM MOLDED / RADIAL

## T340 SERIES - PRECISION MOLDED - RADIAL LEADS



Effective September 30, 2005, the KEMET T340 Series is RoHS compliant.

### CAPACITOR OUTLINE DRAWINGS



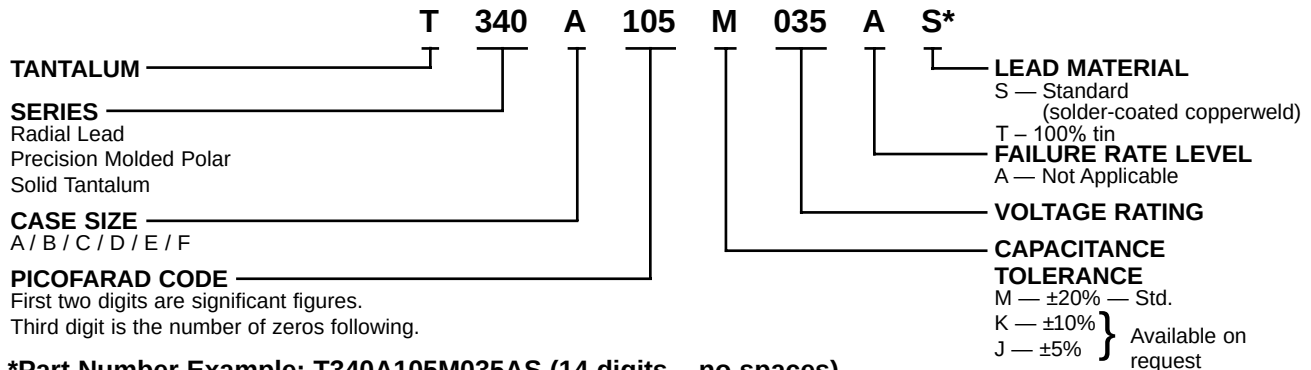
T340 Series Tantalum  
Molded / Radial

### DIMENSIONS — INCHES & MILLIMETERS

| CASE<br>SIZE | H**<br>(MAX) |      | W<br>(MAX) |      | T<br>(MAX) |      | LEAD SPACING<br>S |      | LEAD LENGTH<br>L |      | LEAD DIAMETER<br>D |      |
|--------------|--------------|------|------------|------|------------|------|-------------------|------|------------------|------|--------------------|------|
|              | H            |      | W          |      | T          |      | Inches            | mm   | Inches           | mm   | Inches             | mm   |
|              | Inches       | mm   | Inches     | mm   | inches     | mm   | ±.020             | ±.5  | ±.078            | ±2.0 | ±.001              | ±.03 |
| A            | .287         | 7.3  | .185       | 4.7  | .165       | 4.2  | .100              | 2.5  | .600             | 15.0 | .020               | 0.50 |
| B            | .327         | 8.3  | .283       | 7.2  | .157       | 4.0  | .200              | 5.0  | .600             | 15.0 | .020               | 0.50 |
| C            | .413         | 10.5 | .287       | 7.3  | .169       | 4.3  | .200              | 5.0  | .600             | 15.0 | .020               | 0.50 |
| D            | .413         | 10.5 | .484       | 12.3 | .287       | 7.3  | .400              | 10.0 | .600             | 15.0 | .025               | 0.64 |
| E            | .413         | 10.5 | .484       | 12.3 | .484       | 12.3 | .400              | 10.0 | .600             | 15.0 | .025               | 0.64 |
| F            | .413         | 10.5 | .484       | 12.3 | .287       | 7.3  | .200              | 5.0  | .600             | 15.0 | .025               | 0.64 |

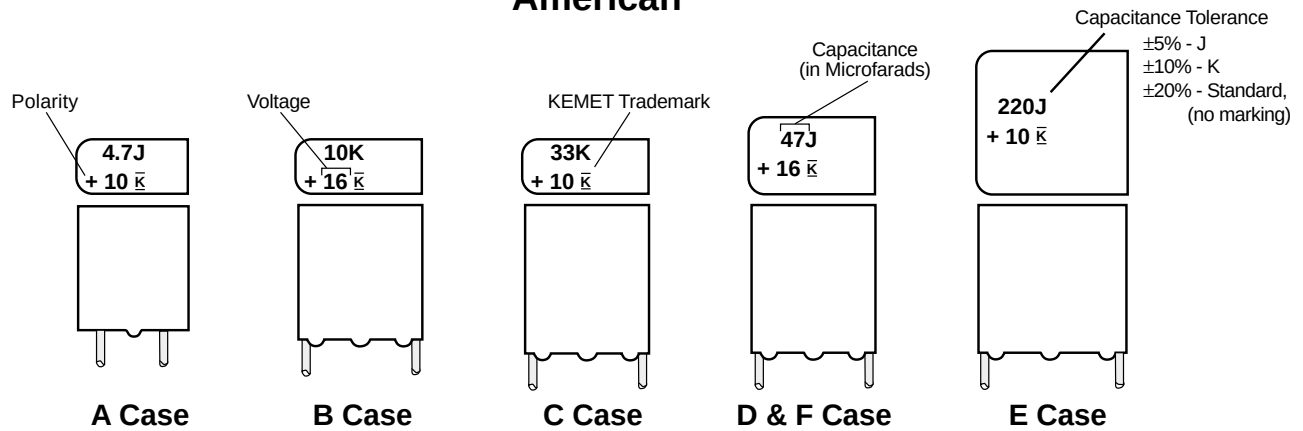
\*\*Includes Standoff Height of .015 ± .005" (.38 ± .13 mm) for All Case Sizes.

### ORDERING INFORMATION

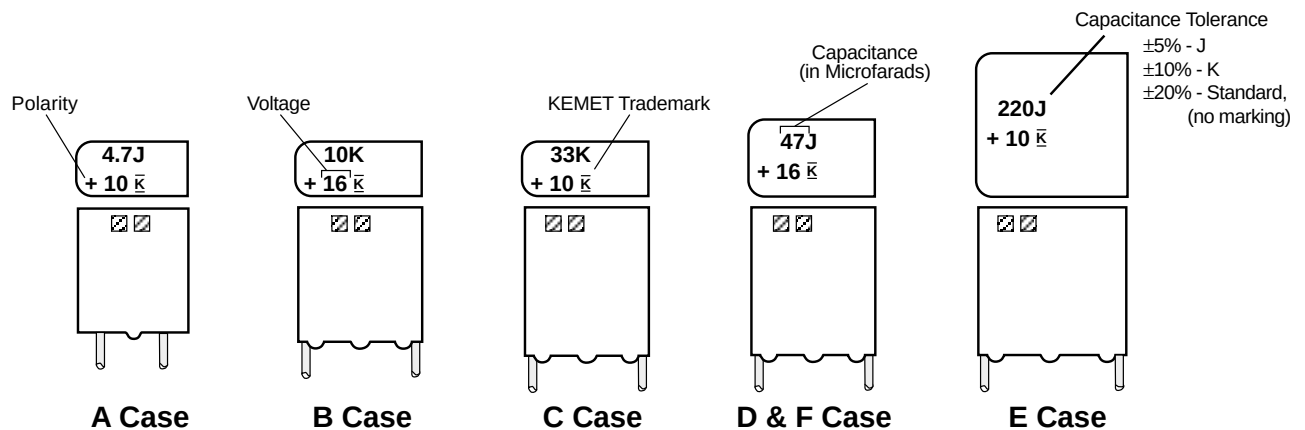


### MARKING INFORMATION

#### American



#### European



□ □ = DIN. Specification Date Code

Insert Date Code as follows:

- |                               |                                |
|-------------------------------|--------------------------------|
| □ 1st digit - represents year | □ 2nd digit - represents month |
| L - 2000                      | Q - 2005                       |
| M - 2001                      | R - 2006                       |
| N - 2002                      | S - 2007                       |
| O - 2003                      | T - 2008                       |
| P - 2004                      | U - 2009                       |
|                               | 1 - 9 for January - September  |
|                               | O for October                  |
|                               | N for November                 |
|                               | D for December                 |

**RATINGS & PART NUMBER REFERENCE**

| CAPACITANCE<br>μF                                       | CASE<br>SIZE                                  | KEMET<br>PART NUMBER                                                                                                                                          | MAX.<br>DC<br>LEAKAGE<br>μA@25°C                        | MAX.<br>DISSIPATION<br>FACTOR<br>%@25°C,<br>120 HZ | MAX.<br>IMPEDANCE<br>Ω@<br>10 kHz |
|---------------------------------------------------------|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------|-----------------------------------|
| <b>3 VOLT RATING AT 85°C — 2 VOLT AT 125°C</b>          |                                               |                                                                                                                                                               |                                                         |                                                    |                                   |
| 10.0<br>15.0                                            | A<br>A                                        | T340A106(1)003AS<br>T340A156(1)003AS                                                                                                                          | 1.0<br>1.0                                              | 6<br>6                                             | 6.0<br>3.2                        |
| 33.0<br>47.0                                            | B<br>B                                        | T340B336(1)003AS<br>T340B476(1)003AS                                                                                                                          | 1.5<br>3.0                                              | 6<br>6                                             | 2.1<br>1.8                        |
| 68.0<br>100.0                                           | C<br>C                                        | T340C686(1)003AS<br>T340C107(1)003AS                                                                                                                          | 4.0<br>5.0                                              | 6<br>6                                             | 1.5<br>1.2                        |
| <b>6/6.3 VOLT RATING AT 85°C — 4 VOLT AT 125°C</b>      |                                               |                                                                                                                                                               |                                                         |                                                    |                                   |
| 6.8                                                     | A                                             | T340A685(1)006AS                                                                                                                                              | 1.0                                                     | 6                                                  | 6.0                               |
| 10.0<br>12.0<br>15.0<br>18.0<br>22.0                    | B<br>B<br>B<br>B<br>B                         | T340B106(1)006AS<br>T340B126(1)006AS<br>T340B156(1)006AS<br>T340B186(1)006AS<br>T340B226(1)006AS                                                              | 1.0<br>1.0<br>1.0<br>1.0<br>2.5                         | 6<br>6<br>6<br>6<br>6                              | 2.1                               |
| 27.0<br>33.0<br>39.0<br>47.0<br>56.0<br>68.0            | C<br>C<br>C<br>C<br>C<br>C                    | T340C276(1)006AS<br>T340C336(1)006AS<br>T340C396(1)006AS<br><b>T340C476(1)006AS</b><br>T340C566(1)006AS<br>T340C686(1)006AS                                   | 2.5<br>2.5<br>2.5<br><b>3.0</b><br>5.0<br>5.0           | 6<br>6<br>6<br><b>6</b><br>6<br>6                  | 1.5                               |
| 82.0<br>100.0<br>120.0<br>150.0<br>180.0<br>220.0       | D/F<br>D/F<br>D/F<br>D/F<br>D/F<br>D/F        | T340(2)826(1)006AS<br>T340(2)107(1)006AS<br>T340(2)127(1)006AS<br>T340(2)157(1)006AS<br>T340(2)187(1)006AS<br>T340(2)227(1)006AS                              | 5.0<br>5.0<br>5.0<br>8.0<br>10.0<br>10.0                | 6<br>6<br>6<br>6<br>6<br>6                         | 0.8                               |
| 330.0                                                   | E                                             | T340E337(1)006AS                                                                                                                                              | 10.0                                                    | 8                                                  | 0.5                               |
| <b>10 VOLT RATING AT 85°C — 6 VOLT AT 125°C</b>         |                                               |                                                                                                                                                               |                                                         |                                                    |                                   |
| 4.7                                                     | A                                             | <b>T340A475(1)010AS</b>                                                                                                                                       | 1.0                                                     | 6                                                  | 7.5                               |
| 5.6<br>6.8<br>8.2<br>10.0<br>12.0<br>15.0               | B<br>B<br>B<br>B<br>B<br>B                    | T340B565(1)010AS<br>T340B685(1)010AS<br>T340B825(1)010AS<br>T340B106(1)010AS<br>T340B126(1)010AS<br>T340B156(1)010AS                                          | 1.0<br>1.0<br>1.0<br>1.0<br>1.0<br>3.0                  | 6<br>6<br>6<br>6<br>6<br>6                         | 2.5                               |
| 18.0<br>22.0<br>27.0<br>33.0<br>39.0                    | C<br>C<br>C<br>C<br>C                         | T340C186(1)010AS<br>T340C226(1)010AS<br>T340C276(1)010AS<br><b>T340C336(1)010AS</b><br>T340C396(1)010AS                                                       | 3.0<br>3.0<br>3.0<br><b>5.0</b><br>5.0                  | 6<br>6<br>6<br><b>6</b><br>6                       | 1.7                               |
| 47.0<br>56.0<br>68.0<br>82.0<br>100.0<br>120.0<br>150.0 | D/F<br>D/F<br>D/F<br>D/F<br>D/F<br>D/F<br>D/F | T340(2)476(1)010AS<br>T340(2)566(1)010AS<br>T340(2)686(1)010AS<br>T340(2)826(1)010AS<br><b>T340(2)107(1)010AS</b><br>T340(2)127(1)010AS<br>T340(2)157(1)010AS | 5.0<br>5.0<br>5.0<br>8.0<br><b>10.0</b><br>10.0<br>10.0 | 6<br>6<br>6<br>6<br><b>6</b><br>6<br>6             | 1.0                               |
| 220.0                                                   | E                                             | T340E227(1)010AS                                                                                                                                              | 10.0                                                    | 6                                                  | 0.5                               |
| <b>15/16 VOLT RATING AT 85°C — 10 VOLT AT 125°C</b>     |                                               |                                                                                                                                                               |                                                         |                                                    |                                   |
| 3.3                                                     | A                                             | <b>T340A335(1)015AS</b>                                                                                                                                       | 1.0                                                     | 6                                                  | 9.0                               |
| 3.9<br>4.7<br>5.6<br>6.8<br>8.2<br>10.0                 | B<br>B<br>B<br>B<br>B<br>B                    | T340B395(1)015AS<br>T340B475(1)015AS<br>T340B565(1)015AS<br>T340B685(1)015AS<br>T340B825(1)015AS<br><b>T340B106(1)015AS</b>                                   | 1.0<br>1.0<br>1.0<br>1.0<br>1.0<br><b>3.0</b>           | 6<br>6<br>6<br>6<br>6<br><b>6</b>                  | 3.2                               |

(1) To complete KEMET Part Number, insert M — ±20%, K — ±10%, or J — ±5% for capacitance tolerance as shown in T340 ordering information.  
(2) To complete KEMET Part Number, insert letter "D" for 10.0 mm (.394) lead spacing or letter "F" for 5.0 mm (.197) lead spacing. See page 53 for outline drawings.  
**Bold face** lines indicate popular part types and values.  
Higher voltage and better capacitance tolerance product may be substituted for an order within the same case size at KEMET'S option.

### RATINGS & PART NUMBER REFERENCE

| CAPACITANCE<br>μF                                            | CASE<br>SIZE | KEMET<br>PART NUMBER      | MAX.<br>DC<br>LEAKAGE<br>μA@25°C | MAX.<br>DISSIPATION<br>FACTOR<br>%@25°C,<br>120 HZ | MAX<br>IMPEDANCE<br>Ω@<br>10 kHz |
|--------------------------------------------------------------|--------------|---------------------------|----------------------------------|----------------------------------------------------|----------------------------------|
| <b>15/16 VOLT RATING AT 85°C — 10 VOLT AT 125°C (Cont'd)</b> |              |                           |                                  |                                                    |                                  |
| 12.0                                                         | C            | T340C126(1)015AS          | 3.0                              | 6                                                  | 2.5                              |
| 15.0                                                         | C            | T340C156(1)015AS          | 3.5                              | 6                                                  |                                  |
| 18.0                                                         | C            | T340C186(1)015AS          | 4.0                              | 6                                                  | 2.1                              |
| <b>22.0</b>                                                  | <b>C</b>     | <b>T340C226(1)015AS</b>   | <b>4.0</b>                       | <b>6</b>                                           |                                  |
| 27.0                                                         | C            | T340C276(1)015AS          | 5.0                              | 6                                                  |                                  |
| 33.0                                                         | C            | T340C336(1)015AS          | 5.0                              | 6                                                  |                                  |
| 39.0                                                         | D/F          | T340(2)396(1)015AS        | 7.0                              | 6                                                  | 1.3                              |
| <b>47.0</b>                                                  | <b>D/F</b>   | <b>T340(2)476(1)015AS</b> | <b>7.0</b>                       | <b>6</b>                                           |                                  |
| 56.0                                                         | D/F          | T340(2)566(1)015AS        | 8.0                              | 6                                                  | 1.1                              |
| <b>68.0</b>                                                  | <b>D/F</b>   | <b>T340(2)686(1)015AS</b> | <b>9.0</b>                       | <b>6</b>                                           |                                  |
| 82.0                                                         | D/F          | T340(2)826(1)015AS        | 10.0                             | 6                                                  |                                  |
| 100.0                                                        | E            | T340E107(1)015AS          | 10.0                             | 6                                                  | 0.8                              |
| <b>150.0</b>                                                 | <b>E</b>     | <b>T340E157(1)015AS</b>   | <b>10.0</b>                      | <b>6</b>                                           | <b>0.6</b>                       |
| <b>20 VOLT RATING AT 85°C — 13 VOLT AT 125°C</b>             |              |                           |                                  |                                                    |                                  |
| 2.2                                                          | A            | T340A225(1)020AS          | 1.0                              | 6                                                  | 12.0                             |
| 3.3                                                          | B            | T340B335(1)020AS          | 1.0                              | 6                                                  | 8.0                              |
| 4.7                                                          | B            | T340B475(1)020AS          | 1.5                              | 6                                                  | 5.5                              |
| 6.8                                                          | B            | T340B685(1)020AS          | 2.5                              | 6                                                  | 4.2                              |
| 15.0                                                         | C            | T340C156(1)020AS          | 5.0                              | 6                                                  | 2.5                              |
| 47.0                                                         | D            | T340D476(1)020AS          | 9.0                              | 6                                                  | 1.3                              |
| 100.0                                                        | E            | T340E107(1)020AS          | 10.0                             | 6                                                  | 0.8                              |
| <b>25 VOLT RATING AT 85°C — 16 VOLT AT 125°C</b>             |              |                           |                                  |                                                    |                                  |
| <b>1.5</b>                                                   | <b>A</b>     | <b>T340A155(1)025AS</b>   | <b>1.0</b>                       | <b>6</b>                                           | <b>17.0</b>                      |
| 2.7                                                          | B            | T340B275(1)025AS          | 1.0                              | 6                                                  | 5.5                              |
| 3.3                                                          | B            | T340B335(1)025AS          | 1.0                              | 6                                                  |                                  |
| 3.9                                                          | B            | T340B395(1)025AS          | 1.0                              | 6                                                  |                                  |
| 4.7                                                          | B            | T340B475(1)025AS          | 2.0                              | 6                                                  |                                  |
| 5.6                                                          | C            | T340C565(1)025AS          | 2.0                              | 6                                                  | 4.2                              |
| 6.8                                                          | C            | T340C685(1)025AS          | 3.0                              | 6                                                  |                                  |
| 8.2                                                          | C            | T340C825(1)025AS          | 3.0                              | 6                                                  |                                  |
| <b>10.0</b>                                                  | <b>C</b>     | <b>T340C106(1)025AS</b>   | <b>3.5</b>                       | <b>6</b>                                           |                                  |
| 12.0                                                         | C            | T340C126(1)025AS          | 3.5                              | 6                                                  | 3.0                              |
| 15.0                                                         | C            | T340C156(1)025AS          | 4.0                              | 6                                                  |                                  |
| 18.0                                                         | D/F          | T340(2)186(1)025AS        | 5.0                              | 6                                                  | 2.0                              |
| 22.0                                                         | D/F          | T340(2)226(1)025AS        | 5.5                              | 6                                                  |                                  |
| 27.0                                                         | D/F          | T340(2)276(1)025AS        | 7.0                              | 6                                                  | 1.5                              |
| <b>33.0</b>                                                  | <b>D/F</b>   | <b>T340(2)336(1)025AS</b> | <b>8.0</b>                       | <b>6</b>                                           |                                  |
| 39.0                                                         | D/F          | T340(2)396(1)025AS        | 10.0                             | 6                                                  |                                  |
| 47.0                                                         | D/E/F        | T340(2)476(1)025AS        | 10.0                             | 6                                                  | 1.3                              |
| 68.0                                                         | E            | T340E686(1)025AS          | 10.0                             | 6                                                  | 0.9                              |
| <b>35 VOLT RATING AT 85°C — 23 VOLT AT 125°C</b>             |              |                           |                                  |                                                    |                                  |
| 0.1                                                          | A            | T340A104(1)035AS          | 1.0                              | 6                                                  | 220.0                            |
| 0.15                                                         | A            | T340A154(1)035AS          | 1.0                              | 6                                                  | 150.0                            |
| 0.22                                                         | A            | T340A224(1)035AS          | 1.0                              | 6                                                  | 100.0                            |
| 0.33                                                         | A            | T340A334(1)035AS          | 1.0                              | 6                                                  | 75.0                             |
| 0.47                                                         | A            | T340A474(1)035AS          | 1.0                              | 6                                                  | 50.0                             |
| 0.68                                                         | A            | T340A684(1)035AS          | 1.0                              | 6                                                  | 36.0                             |
| <b>1.0</b>                                                   | <b>A</b>     | <b>T340A105(1)035AS</b>   | <b>1.0</b>                       | <b>6</b>                                           | <b>25.0</b>                      |
| 1.2                                                          | B            | T340B125(1)035AS          | 1.0                              | 6                                                  | 15.0                             |
| 1.5                                                          | B            | T340B155(1)035AS          | 1.0                              | 6                                                  |                                  |
| 1.8                                                          | B            | T340B185(1)035AS          | 1.0                              | 6                                                  | 11.0                             |
| <b>2.2</b>                                                   | <b>B</b>     | <b>T340B225(1)035AS</b>   | <b>1.0</b>                       | <b>6</b>                                           |                                  |
| 2.7                                                          | B            | T340B275(1)035AS          | 1.0                              | 6                                                  |                                  |
| 3.3                                                          | B/C          | T340(2)335(1)035AS        | 1.0                              | 6                                                  | 7.5                              |

(1) To complete KEMET Part Number, insert M — ±20%, K — ±10%, or J — ±5% for capacitance tolerance as shown in T340 ordering information.

(2) To complete KEMET Part Number, insert letter "C" for 5.0 mm (.197") lead spacing, "D" for 10.0 mm (.394") lead spacing, "E" for 10.0 mm (.394") lead spacing or "F" for 5.0 mm (.197") lead spacing. See page 53 for outline drawings.

**Bold face** lines indicate popular part types and values.

Higher voltage and better capacitance tolerance product may be substituted for an order within the same case size at KEMET'S option.

**RATINGS & PART NUMBER REFERENCE**

| CAPACITANCE<br>μF                                         | CASE<br>SIZE | KEMET<br>PART NUMBER      | MAX.<br>DC<br>LEAKAGE<br>μA@25°C | MAX.<br>DISSIPATION<br>FACTOR<br>%@25°C,<br>120 HZ | MAX<br>IMPEDANCE<br>Ω@<br>10 kHz |
|-----------------------------------------------------------|--------------|---------------------------|----------------------------------|----------------------------------------------------|----------------------------------|
| <b>35 VOLT RATING AT 85°C — 23 VOLT AT 125°C (Cont'd)</b> |              |                           |                                  |                                                    |                                  |
| 3.9                                                       | C            | T340C395(1)035AS          | 1.0                              | 6                                                  |                                  |
| <b>4.7</b>                                                | <b>C</b>     | <b>T340C475(1)035AS</b>   | <b>2.5</b>                       | <b>6</b>                                           | <b>5.5</b>                       |
| 5.6                                                       | C            | T340C565(1)035AS          | 2.5                              | 6                                                  |                                  |
| <b>6.8</b>                                                | <b>C</b>     | <b>T340C685(1)035AS</b>   | <b>3.0</b>                       | <b>6</b>                                           | <b>4.2</b>                       |
| 8.2                                                       | C            | T340C825(1)035AS          | 4.0                              | 6                                                  |                                  |
| <b>10.0</b>                                               | <b>C</b>     | <b>T340(2)106(1)035AS</b> | <b>4.0</b>                       | <b>6</b>                                           | <b>2.8</b>                       |
| 12.0                                                      | D/F          | T340(2)126(1)035AS        | 5.0                              | 6                                                  |                                  |
| 15.0                                                      | D/F          | T340(2)156(1)035AS        | 5.0                              | 6                                                  | 2.2                              |
| 18.0                                                      | D/F          | T340(2)186(1)035AS        | 8.0                              | 6                                                  |                                  |
| <b>22.0</b>                                               | <b>D/F</b>   | <b>T340(2)226(1)035AS</b> | <b>8.0</b>                       | <b>6</b>                                           | <b>1.9</b>                       |
| 27.0                                                      | D/F          | T340(2)276(1)035AS        | 10.0                             | 6                                                  |                                  |
| 33.0                                                      | D/E/F        | T340(2)336(1)035AS        | 10.0                             | 6                                                  | 1.4                              |
| <b>47.0</b>                                               | <b>E</b>     | <b>T340E476(1)035AS</b>   | <b>10.0</b>                      | <b>6</b>                                           | <b>1.1</b>                       |
| <b>40 VOLT RATING AT 85°C — 32 VOLT AT 100°C</b>          |              |                           |                                  |                                                    |                                  |
| 0.1                                                       | A            | T340A104(1)040AS          | 1.0                              | 6                                                  | 200.0                            |
| 0.15                                                      | A            | T340A154(1)040AS          | 1.0                              | 6                                                  | 140.0                            |
| 0.22                                                      | A            | T340A224(1)040AS          | 1.0                              | 6                                                  | 95.0                             |
| 0.33                                                      | A            | T340A334(1)040AS          | 1.0                              | 6                                                  | 70.0                             |
| 0.47                                                      | A            | T340A474(1)040AS          | 1.0                              | 6                                                  | 46.0                             |
| 0.68                                                      | A            | T340A684(1)040AS          | 1.0                              | 6                                                  | 34.0                             |
| 1.0                                                       | A            | T340A105(1)040AS          | 1.0                              | 6                                                  | 23.0                             |
| 1.5                                                       | B            | T340B155(1)040AS          | 1.0                              | 6                                                  | 14.0                             |
| 2.2                                                       | B            | T340B225(1)040AS          | 1.7                              | 6                                                  | 10.0                             |
| 3.3                                                       | C            | T340C335(1)040AS          | 2.3                              | 6                                                  | 7.0                              |
| 4.7                                                       | C            | T340C475(1)040AS          | 3.0                              | 6                                                  | 5.0                              |
| 6.8                                                       | C            | T340C685(1)040AS          | 3.5                              | 6                                                  | 3.9                              |
| 10.0                                                      | D            | T340D106(1)040AS          | 4.5                              | 6                                                  | 2.6                              |
| 15.0                                                      | D            | T340D156(1)040AS          | 6.0                              | 6                                                  | 2.0                              |
| 22.0                                                      | D            | T340D226(1)040AS          | 9.0                              | 6                                                  | 1.7                              |
| 33.0                                                      | E            | T340E336(1)040AS          | 10.0                             | 6                                                  | 1.3                              |
| 47.0                                                      | E            | T340E476(1)040AS          | 10.0                             | 6                                                  | 1.0                              |
| <b>50 VOLT RATING AT 85°C — 33 VOLT AT 125°C</b>          |              |                           |                                  |                                                    |                                  |
| 0.1                                                       | A            | T340A104(1)050AS          | 1.0                              | 6                                                  | 220.0                            |
| 0.15                                                      | A            | T340A154(1)050AS          | 1.0                              | 6                                                  | 150.0                            |
| 0.22                                                      | A            | T340A224(1)050AS          | 1.0                              | 6                                                  | 100.0                            |
| 0.33                                                      | A            | T340A334(1)050AS          | 1.0                              | 6                                                  | 75.0                             |
| 0.39                                                      | B            | T340B394(1)050AS          | 1.0                              | 6                                                  |                                  |
| 0.47                                                      | B            | T340B474(1)050AS          | 1.0                              | 6                                                  | 50.0                             |
| 0.56                                                      | B            | T340B564(1)050AS          | 1.0                              | 6                                                  |                                  |
| 0.68                                                      | B            | T340B684(1)050AS          | 1.0                              | 6                                                  | 36.0                             |
| 0.82                                                      | B            | T340B824(1)050AS          | 1.0                              | 6                                                  |                                  |
| 1.0                                                       | B            | T340B105(1)050AS          | 1.0                              | 6                                                  | 25.0                             |
| 1.2                                                       | B            | T340B125(1)050AS          | 1.0                              | 6                                                  |                                  |
| 1.5                                                       | B/C          | T340(2)155(1)050AS        | 1.1                              | 6                                                  | 15.0                             |
| 1.8                                                       | B            | T340B185(1)050AS          | 1.1                              | 6                                                  |                                  |
| 2.2                                                       | B/C          | T340(2)225(1)050AS        | 1.5                              | 6                                                  | 11.0                             |
| 2.7                                                       | C            | T340C275(1)050AS          | 1.5                              | 6                                                  |                                  |
| 3.3                                                       | C/D          | T340(2)335(1)050AS        | 2.5                              | 6                                                  | 7.5                              |
| 3.9                                                       | C            | T340C395(1)050AS          | 3.0                              | 6                                                  |                                  |
| 4.7                                                       | C/D          | T340(2)475(1)050AS        | 3.5                              | 6                                                  | 5.5                              |
| 5.6                                                       | C            | T340C565(1)050AS          | 4.0                              | 6                                                  |                                  |
| 6.8                                                       | D/F          | T340(2)685(1)050AS        | 5.0                              | 6                                                  | 4.0                              |
| 8.2                                                       | D/F          | T340(2)825(1)050AS        | 6.0                              | 6                                                  |                                  |
| 10.0                                                      | D/F          | T340(2)106(1)050AS        | 7.0                              | 6                                                  | 2.8                              |
| 12.0                                                      | D/F          | T340(2)126(1)050AS        | 8.0                              | 6                                                  |                                  |
| 15.0                                                      | D/F          | T340(2)156(1)050AS        | 9.0                              | 6                                                  | 2.2                              |
| 18.0                                                      | D/F          | T340(2)186(1)050AS        | 10.0                             | 6                                                  |                                  |
| 22.0                                                      | E            | T340E226(1)050AS          | 10.0                             | 6                                                  | 1.7                              |

(1) To complete KEMET Part Number, insert M — ±20%, K — ±10%, or J — ±5% for capacitance tolerance as shown in T340 ordering information.

(2) To complete KEMET Part Number, insert letter "C" for 5.0 mm (.197") lead spacing, "D" for 10.0 mm (.394") lead spacing, "E" for 10.0 mm (.394") lead spacing or letter "F" for 5.0 mm (.197") lead spacing. See page 53 for outline drawings.

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