

KZN New!
Series

- Adoption of innovative high stability electrolyte
- High ripple current and long endurance
- Rated voltage range : 6.3 to 100V_{dc}, Capacitance range : 8.2 to 22,000μF
- Endurance with ripple current : 6,000 to 10,000 hours at 105°C
- Non solvent resistant type
- RoHS Compliant

KZN

Higher ripple
KZM P139



◆ SPECIFICATIONS

Items	Characteristics						
Category Temperature Range	-40 to +105°C						
Rated Voltage Range	6.3 to 100V _{dc}						
Capacitance Tolerance	±20% (M) (at 20°C, 120Hz)						
Leakage Current	I=0.01CV or 3μA, whichever is greater. Where, I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V) (at 20°C after 2 minutes)						
Dissipation Factor (tanδ)	Rated voltage (V _{dc})	6.3V 10V 16V 25V 35V 50V 63V 80V 100V					
	tanδ (Max.)	0.22 0.19 0.16 0.14 0.12 0.10 0.09 0.09 0.08					
	When nominal capacitance exceeds 1,000μF, add 0.02 to the value above for each 1,000μF increase. (at 20°C, 120Hz)						
Low Temperature Characteristics	Z(-25°C)/Z(+20°C)	2 max.					
	Z(-40°C)/Z(+20°C)	3 max. (at 120Hz)					
Endurance	The following specifications shall be satisfied when the capacitors are restored to 20°C after subjected to DC voltage with the rated ripple current is applied (the peak voltage shall not exceed the rated voltage) for the specified period of time at 105°C.						
	Time	Case size	φ 5 & φ 6.3	φ 8×11.5L	φ 10×12.5L	φ 8×15L, 20L	φ 10×16L, 20L, 25L φ 12.5 to φ 18
		6.3V _{dc}	6,000 hours	8,000 hours	9,000 hours	9,000 hours	10,000 hours
		10 to 50V _{dc}	7,000 hours	9,000 hours	9,000 hours	10,000 hours	10,000 hours
	63 to 100V _{dc}	6,000 hours	8,000 hours	9,000 hours	9,000 hours	10,000 hours	
	Capacitance change	≤ ±25% of the initial value (6.3, 10V _{dc} : ≤ ±30%)					
D.F. (tanδ)	≤ 200% of the initial specified value						
Leakage current	≤ The initial specified value						
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 500 hours at 105°C without voltage applied. Before the measurement, the capacitor shall be preconditioned by applying voltage according to Item 4.1 of JIS C 5101-4.						
	Capacitance change	≤ ±25% of the initial value (6.3, 10V _{dc} : ≤ ±30%)					
	D.F. (tanδ)	≤ 200% of the initial specified value					
	Leakage current	≤ The initial specified value					

◆ DIMENSIONS [mm]

● Terminal Code : E



φ D	5	6.3	8	10	12.5	16	18
φ d	0.5	0.5	0.6	0.6	0.6	0.8	0.8
F	2.0	2.5	3.5	5.0	5.0	7.5	7.5
D'	φ D + 0.5max.						
L'	L + 1.5max.						

◆ PART NUMBERING SYSTEM



Please refer to "Product code guide (radial lead type)"

◆ STANDARD RATINGS

WV (Vdc)	Cap (μF)	Case size φD×L(mm)	Impedance (Ωmax/100kHz)		Rated ripple current (mA _{rms} /105°C, 100kHz)	Part No.	WV (Vdc)	Cap (μF)	Case size φD×L(mm)	Impedance (Ωmax/100kHz)		Rated ripple current (mA _{rms} /105°C, 100kHz)	Part No.																																																																																																																																																																																																																																																																																																	
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	150	6.3×11	0.17	0.51	700	EKZN250E□□151MF11D																																																																																																																																																																																																																																																																																																								
	270	8×11.5	0.075	0.23	1,200	EKZN250E□□271MHB5D																																																																																																																																																																																																																																																																																																								
	470	8×15	0.059	0.18	1,600	EKZN250E□□471MH15D																																																																																																																																																																																																																																																																																																								
	470	10×12.5	0.053	0.16	1,700	EKZN250E□□471MJC5S																																																																																																																																																																																																																																																																																																								
	560	8×20	0.041	0.13	1,960	EKZN250E□□561MH20D																																																																																																																																																																																																																																																																																																								
	680	10×16	0.038	0.12	2,000	EKZN250E□□681MJ16S																																																																																																																																																																																																																																																																																																								
	820	10×20	0.028	0.084	2,500	EKZN250E□□821MJ20S																																																																																																																																																																																																																																																																																																								
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	2,200	12.5×30	0.018	0.054	3,660	EKZN250E□□222MK30S																																																																																																																																																																																																																																																																																																								
	2,200	16×20	0.021	0.063	3,330	EKZN250E□□222ML20S																																																																																																																																																																																																																																																																																																								
	2,700	12.5×35	0.016	0.048	4,120	EKZN250E□□272MK35S																																																																																																																																																																																																																																																																																																								
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	5,600	16×35.5	0.014	0.042	4,280	EKZN250E□□562MLP1S																																																																																																																																																																																																																																																																																																								
	5,600	18×31.5	0.014	0.042	4,190	EKZN250E□□562MMN3S																																																																																																																																																																																																																																																																																																								
	6,800	16×40	0.013	0.039	4,580	EKZN250E□□682ML40S																																																																																																																																																																																																																																																																																																								
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10V Section <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <table border="1"> <tr><td rowspan="22">10</td><td>150</td><td>5×11</td><td>0.38</td><td>1.2</td><td>450</td><td>EKZN100E□□151ME11D</td></tr> <tr><td>330</td><td>6.3×11</td><td>0.17</td><td>0.51</td><td>700</td><td>EKZN100E□□331MF11D</td></tr> <tr><td>560</td><td>8×11.5</td><td>0.075</td><td>0.23</td><td>1,200</td><td>EKZN100E□□561MHB5D</td></tr> <tr><td>820</td><td>8×15</td><td>0.059</td><td>0.18</td><td>1,600</td><td>EKZN100E□□821MH15D</td></tr> <tr><td>1,000</td><td>8×20</td><td>0.041</td><td>0.13</td><td>1,960</td><td>EKZN100E□□102MH20D</td></tr> <tr><td>1,000</td><td>10×12.5</td><td>0.053</td><td>0.16</td><td>1,700</td><td>EKZN100E□□102MJC5S</td></tr> <tr><td>1,200</td><td>10×16</td><td>0.038</td><td>0.12</td><td>2,000</td><td>EKZN100E□□122MJ16S</td></tr> <tr><td>1,800</td><td>10×20</td><td>0.028</td><td>0.084</td><td>2,500</td><td>EKZN100E□□182MJ20S</td></tr> <tr><td>1,800</td><td>12.5×16</td><td>0.035</td><td>0.11</td><td>2,400</td><td>EKZN100E□□182MK16S</td></tr> <tr><td>2,200</td><td>10×25</td><td>0.026</td><td>0.072</td><td>2,900</td><td>EKZN100E□□222MJ25S</td></tr> <tr><td>2,700</td><td>12.5×20</td><td>0.025</td><td>0.075</td><td>2,600</td><td>EKZN100E□□272MK20S</td></tr> <tr><td>3,900</td><td>12.5×25</td><td>0.019</td><td>0.057</td><td>3,200</td><td>EKZN100E□□392MK25S</td></tr> <tr><td>4,700</td><td>12.5×30</td><td>0.018</td><td>0.054</td><td>3,660</td><td>EKZN100E□□472MK30S</td></tr> <tr><td>4,700</td><td>16×20</td><td>0.021</td><td>0.063</td><td>3,330</td><td>EKZN100E□□472ML20S</td></tr> <tr><td>5,600</td><td>12.5×35</td><td>0.016</td><td>0.048</td><td>4,120</td><td>EKZN100E□□562MK35S</td></tr> <tr><td>5,600</td><td>18×20</td><td>0.020</td><td>0.060</td><td>3,450</td><td>EKZN100E□□562MM20S</td></tr> <tr><td>6,800</td><td>16×25</td><td>0.017</td><td>0.051</td><td>3,810</td><td>EKZN100E□□682ML25S</td></tr> <tr><td>8,200</td><td>16×31.5</td><td>0.016</td><td>0.048</td><td>4,100</td><td>EKZN100E□□822MLN3S</td></tr> <tr><td>8,200</td><td>18×25</td><td>0.016</td><td>0.048</td><td>3,880</td><td>EKZN100E□□822MM25S</td></tr> <tr><td>10,000</td><td>16×35.5</td><td>0.014</td><td>0.042</td><td>4,280</td><td>EKZN100E□□103MLP1S</td></tr> <tr><td>10,000</td><td>18×31.5</td><td>0.014</td><td>0.042</td><td>4,190</td><td>EKZN100E□□103MMN3S</td></tr> <tr><td>12,000</td><td>16×40</td><td>0.013</td><td>0.039</td><td>4,580</td><td>EKZN100E□□123ML40S</td></tr> <tr><td>12,000</td><td>18×35.5</td><td>0.012</td><td>0.036</td><td>4,380</td><td>EKZN100E□□123MMP1S</td></tr> <tr><td>15,000</td><td>18×40</td><td>0.011</td><td>0.033</td><td>4,960</td><td>EKZN100E□□153MM40S</td></tr> </table> </div> <div style="width: 48%;"> <table border="1"> <tr><td rowspan="22">10</td><td>47</td><td>5×11</td><td>0.38</td><td>1.2</td><td>450</td><td>EKZN350E□□470ME11D</td></tr> <tr><td>100</td><td>6.3×11</td><td>0.17</td><td>0.51</td><td>700</td><td>EKZN350E□□101MF11D</td></tr> <tr><td>180</td><td>8×11.5</td><td>0.075</td><td>0.23</td><td>1,200</td><td>EKZN350E□□181MHB5D</td></tr> <tr><td>220</td><td>8×15</td><td>0.059</td><td>0.18</td><td>1,600</td><td>EKZN350E□□221MH15D</td></tr> <tr><td>270</td><td>10×12.5</td><td>0.053</td><td>0.16</td><td>1,700</td><td>EKZN350E□□271MJC5S</td></tr> <tr><td>330</td><td>8×20</td><td>0.041</td><td>0.13</td><td>1,960</td><td>EKZN350E□□331MH20D</td></tr> <tr><td>390</td><td>10×16</td><td>0.038</td><td>0.12</td><td>2,000</td><td>EKZN350E□□391MJ16S</td></tr> <tr><td>470</td><td>10×20</td><td>0.028</td><td>0.084</td><td>2,500</td><td>EKZN350E□□471MJ20S</td></tr> <tr><td>560</td><td>12.5×16</td><td>0.035</td><td>0.11</td><td>2,400</td><td>EKZN350E□□561MK16S</td></tr> <tr><td>680</td><td>10×25</td><td>0.026</td><td>0.072</td><td>2,900</td><td>EKZN350E□□681MJ25S</td></tr> <tr><td>820</td><td>12.5×20</td><td>0.025</td><td>0.075</td><td>2,600</td><td>EKZN350E□□821MK20S</td></tr> <tr><td>1,200</td><td>12.5×25</td><td>0.019</td><td>0.057</td><td>3,200</td><td>EKZN350E□□122MK25S</td></tr> <tr><td>1,500</td><td>12.5×30</td><td>0.018</td><td>0.054</td><td>3,660</td><td>EKZN350E□□152MK30S</td></tr> <tr><td>1,500</td><td>16×20</td><td>0.021</td><td>0.063</td><td>3,330</td><td>EKZN350E□□152ML20S</td></tr> <tr><td>1,800</td><td>12.5×35</td><td>0.016</td><td>0.048</td><td>4,120</td><td>EKZN350E□□182MK35S</td></tr> <tr><td>1,800</td><td>16×25</td><td>0.017</td><td>0.051</td><td>3,810</td><td>EKZN350E□□182ML25S</td></tr> <tr><td>1,800</td><td>18×20</td><td>0.020</td><td>0.060</td><td>3,450</td><td>EKZN350E□□182MM20S</td></tr> <tr><td>2,700</td><td>16×31.5</td><td>0.016</td><td>0.048</td><td>4,100</td><td>EKZN350E□□272MLN3S</td></tr> <tr><td>2,700</td><td>18×25</td><td>0.016</td><td>0.048</td><td>3,880</td><td>EKZN350E□□272MM25S</td></tr> <tr><td>3,300</td><td>16×35.5</td><td>0.014</td><td>0.042</td><td>4,280</td><td>EKZN350E□□332MLP1S</td></tr> <tr><td>3,300</td><td>18×31.5</td><td>0.014</td><td>0.042</td><td>4,190</td><td>EKZN350E□□332MMN3S</td></tr> <tr><td>3,900</td><td>16×40</td><td>0.013</td><td>0.039</td><td>4,580</td><td>EKZN350E□□392ML40S</td></tr> <tr><td>3,900</td><td>18×35.5</td><td>0.012</td><td>0.036</td><td>4,380</td><td>EKZN350E□□392MMP1S</td></tr> <tr><td>4,700</td><td>18×40</td><td>0.011</td><td>0.033</td><td>4,960</td><td>EKZN350E□□472MM40S</td></tr> </table> </div> </div>													10	150	5×11	0.38	1.2	450	EKZN100E□□151ME11D	330	6.3×11	0.17	0.51	700	EKZN100E□□331MF11D	560	8×11.5	0.075	0.23	1,200	EKZN100E□□561MHB5D	820	8×15	0.059	0.18	1,600	EKZN100E□□821MH15D	1,000	8×20	0.041	0.13	1,960	EKZN100E□□102MH20D	1,000	10×12.5	0.053	0.16	1,700	EKZN100E□□102MJC5S	1,200	10×16	0.038	0.12	2,000	EKZN100E□□122MJ16S	1,800	10×20	0.028	0.084	2,500	EKZN100E□□182MJ20S	1,800	12.5×16	0.035	0.11	2,400	EKZN100E□□182MK16S	2,200	10×25	0.026	0.072	2,900	EKZN100E□□222MJ25S	2,700	12.5×20	0.025	0.075	2,600	EKZN100E□□272MK20S	3,900	12.5×25	0.019	0.057	3,200	EKZN100E□□392MK25S	4,700	12.5×30	0.018	0.054	3,660	EKZN100E□□472MK30S	4,700	16×20	0.021	0.063	3,330	EKZN100E□□472ML20S	5,600	12.5×35	0.016	0.048	4,120	EKZN100E□□562MK35S	5,600	18×20	0.020	0.060	3,450	EKZN100E□□562MM20S	6,800	16×25	0.017	0.051	3,810	EKZN100E□□682ML25S	8,200	16×31.5	0.016	0.048	4,100	EKZN100E□□822MLN3S	8,200	18×25	0.016	0.048	3,880	EKZN100E□□822MM25S	10,000	16×35.5	0.014	0.042	4,280	EKZN100E□□103MLP1S	10,000	18×31.5	0.014	0.042	4,190	EKZN100E□□103MMN3S	12,000	16×40	0.013	0.039	4,580	EKZN100E□□123ML40S	12,000	18×35.5	0.012	0.036	4,380	EKZN100E□□123MMP1S	15,000	18×40	0.011	0.033	4,960	EKZN100E□□153MM40S	10	47	5×11	0.38	1.2	450	EKZN350E□□470ME11D	100	6.3×11	0.17	0.51	700	EKZN350E□□101MF11D	180	8×11.5	0.075	0.23	1,200	EKZN350E□□181MHB5D	220	8×15	0.059	0.18	1,600	EKZN350E□□221MH15D	270	10×12.5	0.053	0.16	1,700	EKZN350E□□271MJC5S	330	8×20	0.041	0.13	1,960	EKZN350E□□331MH20D	390	10×16	0.038	0.12	2,000	EKZN350E□□391MJ16S	470	10×20	0.028	0.084	2,500	EKZN350E□□471MJ20S	560	12.5×16	0.035	0.11	2,400	EKZN350E□□561MK16S	680	10×25	0.026	0.072	2,900	EKZN350E□□681MJ25S	820	12.5×20	0.025	0.075	2,600	EKZN350E□□821MK20S	1,200	12.5×25	0.019	0.057	3,200	EKZN350E□□122MK25S	1,500	12.5×30	0.018	0.054	3,660	EKZN350E□□152MK30S	1,500	16×20	0.021	0.063	3,330	EKZN350E□□152ML20S	1,800	12.5×35	0.016	0.048	4,120	EKZN350E□□182MK35S	1,800	16×25	0.017	0.051	3,810	EKZN350E□□182ML25S	1,800	18×20	0.020	0.060	3,450	EKZN350E□□182MM20S	2,700	16×31.5	0.016	0.048	4,100	EKZN350E□□272MLN3S	2,700	18×25	0.016	0.048	3,880	EKZN350E□□272MM25S	3,300	16×35.5	0.014	0.042	4,280	EKZN350E□□332MLP1S	3,300	18×31.5	0.014	0.042	4,190	EKZN350E□□332MMN3S	3,900	16×40	0.013	0.039	4,580	EKZN350E□□392ML40S	3,900	18×35.5	0.012	0.036	4,380	EKZN350E□□392MMP1S	4,700	18×40	0.011	0.033	4,960	EKZN350E□□472MM40S
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	6,800	16×25	0.017	0.051	3,810	EKZN100E□□682ML25S																																																																																																																																																																																																																																																																																																								
	8,200	16×31.5	0.016	0.048	4,100	EKZN100E□□822MLN3S																																																																																																																																																																																																																																																																																																								
	8,200	18×25	0.016	0.048	3,880	EKZN100E□□822MM25S																																																																																																																																																																																																																																																																																																								
	10,000	16×35.5	0.014	0.042	4,280	EKZN100E□□103MLP1S																																																																																																																																																																																																																																																																																																								
	10,000	18×31.5	0.014	0.042	4,190	EKZN100E□□103MMN3S																																																																																																																																																																																																																																																																																																								
	12,000	16×40	0.013	0.039	4,580	EKZN100E□□123ML40S																																																																																																																																																																																																																																																																																																								
12,000	18×35.5	0.012	0.036	4,380	EKZN100E□□123MMP1S																																																																																																																																																																																																																																																																																																									
15,000	18×40	0.011	0.033	4,960	EKZN100E□□153MM40S																																																																																																																																																																																																																																																																																																									
10	47	5×11	0.38	1.2	450	EKZN350E□□470ME11D																																																																																																																																																																																																																																																																																																								
	100	6.3×11	0.17	0.51	700	EKZN350E□□101MF11D																																																																																																																																																																																																																																																																																																								
	180	8×11.5	0.075	0.23	1,200	EKZN350E□□181MHB5D																																																																																																																																																																																																																																																																																																								
	220	8×15	0.059	0.18	1,600	EKZN350E□□221MH15D																																																																																																																																																																																																																																																																																																								
	270	10×12.5	0.053	0.16	1,700	EKZN350E□□271MJC5S																																																																																																																																																																																																																																																																																																								
	330	8×20	0.041	0.13	1,960	EKZN350E□□331MH20D																																																																																																																																																																																																																																																																																																								
	390	10×16	0.038	0.12	2,000	EKZN350E□□391MJ16S																																																																																																																																																																																																																																																																																																								
	470	10×20	0.028	0.084	2,500	EKZN350E□□471MJ20S																																																																																																																																																																																																																																																																																																								
	560	12.5×16	0.035	0.11	2,400	EKZN350E□□561MK16S																																																																																																																																																																																																																																																																																																								
	680	10×25	0.026	0.072	2,900	EKZN350E□□681MJ25S																																																																																																																																																																																																																																																																																																								
	820	12.5×20	0.025	0.075	2,600	EKZN350E□□821MK20S																																																																																																																																																																																																																																																																																																								
	1,200	12.5×25	0.019	0.057	3,200	EKZN350E□□122MK25S																																																																																																																																																																																																																																																																																																								
	1,500	12.5×30	0.018	0.054	3,660	EKZN350E□□152MK30S																																																																																																																																																																																																																																																																																																								
	1,500	16×20	0.021	0.063	3,330	EKZN350E□□152ML20S																																																																																																																																																																																																																																																																																																								
	1,800	12.5×35	0.016	0.048	4,120	EKZN350E□□182MK35S																																																																																																																																																																																																																																																																																																								
	1,800	16×25	0.017	0.051	3,810	EKZN350E□□182ML25S																																																																																																																																																																																																																																																																																																								
	1,800	18×20	0.020	0.060	3,450	EKZN350E□□182MM20S																																																																																																																																																																																																																																																																																																								
	2,700	16×31.5	0.016	0.048	4,100	EKZN350E□□272MLN3S																																																																																																																																																																																																																																																																																																								
	2,700	18×25	0.016	0.048	3,880	EKZN350E□□272MM25S																																																																																																																																																																																																																																																																																																								
	3,300	16×35.5	0.014	0.042	4,280	EKZN350E□□332MLP1S																																																																																																																																																																																																																																																																																																								
	3,300	18×31.5	0.014	0.042	4,190	EKZN350E□□332MMN3S																																																																																																																																																																																																																																																																																																								
	3,900	16×40	0.013	0.039	4,580	EKZN350E□□392ML40S																																																																																																																																																																																																																																																																																																								
3,900	18×35.5	0.012	0.036	4,380	EKZN350E□□392MMP1S																																																																																																																																																																																																																																																																																																									
4,700	18×40	0.011	0.033	4,960	EKZN350E□□472MM40S																																																																																																																																																																																																																																																																																																									
16V Section <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <table border="1"> <tr><td rowspan="16">16</td><td>120</td><td>5×11</td><td>0.38</td><td>1.2</td><td>450</td><td>EKZN160E□□121ME11D</td></tr> <tr><td>270</td><td>6.3×11</td><td>0.17</td><td>0.51</td><td>700</td><td>EKZN160E□□271MF11D</td></tr> <tr><td>470</td><td>8×11.5</td><td>0.075</td><td>0.23</td><td>1,200</td><td>EKZN160E□□471MHB5D</td></tr> <tr><td>680</td><td>8×15</td><td>0.059</td><td>0.18</td><td>1,600</td><td>EKZN160E□□681MH15D</td></tr> <tr><td>680</td><td>10×12.5</td><td>0.053</td><td>0.16</td><td>1,700</td><td>EKZN160E□□681MJC5S</td></tr> <tr><td>820</td><td>8×20</td><td>0.041</td><td>0.13</td><td>1,960</td><td>EKZN160E□□821MH20D</td></tr> <tr><td>1,000</td><td>10×16</td><td>0.038</td><td>0.12</td><td>2,000</td><td>EKZN160E□□102MJ16S</td></tr> <tr><td>1,500</td><td>10×20</td><td>0.028</td><td>0.084</td><td>2,500</td><td>EKZN160E□□152MJ20S</td></tr> <tr><td>1,500</td><td>12.5×16</td><td>0.035</td><td>0.11</td><td>2,400</td><td>EKZN160E□□152MK16S</td></tr> <tr><td>1,800</td><td>10×25</td><td>0.026</td><td>0.072</td><td>2,900</td><td>EKZN160E□□182MJ25S</td></tr> <tr><td>2,200</td><td>12.5×20</td><td>0.025</td><td>0.075</td><td>2,600</td><td>EKZN160E□□222MK20S</td></tr> <tr><td>2,700</td><td>12.5×25</td><td>0.019</td><td>0.057</td><td>3,200</td><td>EKZN160E□□272MK25S</td></tr> <tr><td>3,300</td><td>12.5×30</td><td>0.018</td><td>0.054</td><td>3,660</td><td>EKZN160E□□332MK30S</td></tr> <tr><td>3,900</td><td>12.5×35</td><td>0.016</td><td>0.048</td><td>4,120</td><td>EKZN160E□□392MK35S</td></tr> <tr><td>3,900</td><td>16×20</td><td>0.021</td><td>0.063</td><td>3,330</td><td>EKZN160E□□392ML20S</td></tr> <tr><td>4,700</td><td>18×20</td><td>0.020</td><td>0.060</td><td>3,450</td><td>EKZN160E□□472MM20S</td></tr> </table> </div> <div style="width: 48%;"> <table border="1"> <tr><td rowspan="16">16</td><td>27</td><td>5×11</td><td>0.40</td><td>1.3</td><td>450</td><td>EKZN500E□□270ME11D</td></tr> <tr><td>56</td><td>6.3×11</td><td>0.18</td><td>0.54</td><td>700</td><td>EKZN500E□□560MF11D</td></tr> <tr><td>100</td><td>8×11.5</td><td>0.085</td><td>0.26</td><td>1,200</td><td>EKZN500E□□101MHB5D</td></tr> <tr><td>120</td><td>8×15</td><td>0.065</td><td>0.20</td><td>1,600</td><td>EKZN500E□□121MH15D</td></tr> <tr><td>150</td><td>10×12.5</td><td>0.073</td><td>0.22</td><td>1,280</td><td>EKZN500E□□151MJC5S</td></tr> <tr><td>180</td><td>8×20</td><td>0.049</td><td>0.16</td><td>1,960</td><td>EKZN500E□□181MH20D</td></tr> <tr><td>220</td><td>10×16</td><td>0.053</td><td>0.16</td><td>1,650</td><td>EKZN500E□□221MJ16S</td></tr> <tr><td>330</td><td>10×20</td><td>0.038</td><td>0.12</td><td>2,060</td><td>EKZN500E□□331MJ20S</td></tr> </table> </div> </div>													16	120	5×11	0.38	1.2	450	EKZN160E□□121ME11D	270	6.3×11	0.17	0.51	700	EKZN160E□□271MF11D	470	8×11.5	0.075	0.23	1,200	EKZN160E□□471MHB5D	680	8×15	0.059	0.18	1,600	EKZN160E□□681MH15D	680	10×12.5	0.053	0.16	1,700	EKZN160E□□681MJC5S	820	8×20	0.041	0.13	1,960	EKZN160E□□821MH20D	1,000	10×16	0.038	0.12	2,000	EKZN160E□□102MJ16S	1,500	10×20	0.028	0.084	2,500	EKZN160E□□152MJ20S	1,500	12.5×16	0.035	0.11	2,400	EKZN160E□□152MK16S	1,800	10×25	0.026	0.072	2,900	EKZN160E□□182MJ25S	2,200	12.5×20	0.025	0.075	2,600	EKZN160E□□222MK20S	2,700	12.5×25	0.019	0.057	3,200	EKZN160E□□272MK25S	3,300	12.5×30	0.018	0.054	3,660	EKZN160E□□332MK30S	3,900	12.5×35	0.016	0.048	4,120	EKZN160E□□392MK35S	3,900	16×20	0.021	0.063	3,330	EKZN160E□□392ML20S	4,700	18×20	0.020	0.060	3,450	EKZN160E□□472MM20S	16	27	5×11	0.40	1.3	450	EKZN500E□□270ME11D	56	6.3×11	0.18	0.54	700	EKZN500E□□560MF11D	100	8×11.5	0.085	0.26	1,200	EKZN500E□□101MHB5D	120	8×15	0.065	0.20	1,600	EKZN500E□□121MH15D	150	10×12.5	0.073	0.22	1,280	EKZN500E□□151MJC5S	180	8×20	0.049	0.16	1,960	EKZN500E□□181MH20D	220	10×16	0.053	0.16	1,650	EKZN500E□□221MJ16S	330	10×20	0.038	0.12	2,060	EKZN500E□□331MJ20S																																																																																																																																																
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	1,800	10×25	0.026	0.072	2,900	EKZN160E□□182MJ25S																																																																																																																																																																																																																																																																																																								
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	2,700	12.5×25	0.019	0.057	3,200	EKZN160E□□272MK25S																																																																																																																																																																																																																																																																																																								
	3,300	12.5×30	0.018	0.054	3,660	EKZN160E□□332MK30S																																																																																																																																																																																																																																																																																																								
	3,900	12.5×35	0.016	0.048	4,120	EKZN160E□□392MK35S																																																																																																																																																																																																																																																																																																								
	3,900	16×20	0.021	0.063	3,330	EKZN160E□□392ML20S																																																																																																																																																																																																																																																																																																								
	4,700	18×20	0.020	0.060	3,450	EKZN160E□□472MM20S																																																																																																																																																																																																																																																																																																								
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	56	6.3×11	0.18	0.54	700	EKZN500E□□560MF11D																																																																																																																																																																																																																																																																																																								
	100	8×11.5	0.085	0.26	1,200	EKZN500E□□101MHB5D																																																																																																																																																																																																																																																																																																								
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	150	10×12.5	0.073	0.22	1,280	EKZN500E□□151MJC5S																																																																																																																																																																																																																																																																																																								
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□ □ : Enter the appropriate lead forming or taping code.

◆STANDARD RATINGS

WV (Vdc)	Cap (μF)	Case size φD×L(mm)	Impedance (Ωmax/100kHz)		Rated ripple current (mA _{rms} /105°C, 100kHz)	Part No.	WV (Vdc)	Cap (μF)	Case size φD×L(mm)	Impedance (Ωmax/100kHz)		Rated ripple current (mA _{rms} /105°C, 100kHz)	Part No.
			20°C	-10°C						20°C	-10°C		
50	330	12.5×16	0.045	0.14	2,160	EKZN500E□□331MK16S	82	8×20	0.12	0.54	1,040	EKZN800E□□820MH20D	
	390	10×25	0.032	0.10	2,420	EKZN500E□□391MJ25S	82	10×12.5	0.14	0.56	780	EKZN800E□□820MJC5S	
	470	12.5×20	0.032	0.10	2,300	EKZN500E□□471MK20S	120	10×16	0.090	0.36	1,040	EKZN800E□□121MJ16S	
	680	12.5×25	0.025	0.080	2,800	EKZN500E□□681MK25S	180	10×20	0.068	0.28	1,430	EKZN800E□□181MJ20S	
	820	12.5×30	0.023	0.074	3,370	EKZN500E□□821MK30S	180	12.5×16	0.090	0.27	1,430	EKZN800E□□181MK16S	
	820	16×20	0.026	0.084	3,070	EKZN500E□□821ML20S	220	10×25	0.055	0.22	1,620	EKZN800E□□821ML25S	
	1,000	12.5×35	0.021	0.067	3,810	EKZN500E□□102MK35S	270	12.5×20	0.048	0.15	1,750	EKZN800E□□271MK20S	
	1,200	16×25	0.022	0.070	3,510	EKZN500E□□122ML25S	390	12.5×25	0.038	0.12	2,210	EKZN800E□□391MK25S	
	1,200	18×20	0.025	0.075	3,120	EKZN500E□□122MM20S	470	12.5×30	0.033	0.11	2,400	EKZN800E□□471MK30S	
	1,500	16×31.5	0.019	0.057	4,030	EKZN500E□□152MLN3S	470	16×20	0.036	0.12	1,950	EKZN800E□□471ML20S	
	1,500	18×25	0.021	0.063	3,530	EKZN500E□□152MM25S	560	12.5×35	0.026	0.078	2,600	EKZN800E□□561MK35S	
	1,800	16×35.5	0.016	0.048	4,220	EKZN500E□□182MLP1S	680	16×25	0.028	0.084	2,430	EKZN800E□□681ML25S	
	2,200	16×40	0.014	0.042	4,500	EKZN500E□□222ML40S	680	18×20	0.032	0.096	2,270	EKZN800E□□681MM20S	
	2,200	18×31.5	0.016	0.048	4,080	EKZN500E□□222MMN3S	820	16×31.5	0.022	0.066	2,640	EKZN800E□□821MLN3S	
	2,700	18×35.5	0.013	0.039	4,270	EKZN500E□□272MMP1S	820	18×25	0.027	0.081	2,500	EKZN800E□□821MM25S	
	3,300	18×40	0.012	0.036	4,850	EKZN500E□□332MM40S	1,000	16×35.5	0.020	0.060	2,860	EKZN800E□□102MLP1S	
63	18	5×11	0.52	2.3	240	EKZN630E□□180ME11D	1,200	16×40	0.018	0.054	3,510	EKZN800E□□122ML40S	
	39	6.3×11	0.24	1.1	420	EKZN630E□□390MF11D	1,200	18×31.5	0.020	0.060	2,860	EKZN800E□□122MMN3S	
	68	8×11.5	0.15	0.68	720	EKZN630E□□680MHB5D	1,500	18×35.5	0.018	0.054	3,510	EKZN800E□□152MMP1S	
	100	8×15	0.10	0.45	990	EKZN630E□□101MH15D	1,800	18×40	0.017	0.051	3,860	EKZN800E□□182MM40S	
	120	8×20	0.077	0.35	1,200	EKZN630E□□121MH20D	8.2	5×11	0.72	3.2	220	EKZN101E□□8R2ME11D	
	120	10×12.5	0.090	0.36	990	EKZN630E□□121MJC5S	18	6.3×11	0.34	1.5	370	EKZN101E□□180MF11D	
	180	10×16	0.061	0.25	1,200	EKZN630E□□181MJ16S	33	8×11.5	0.20	0.90	620	EKZN101E□□330MHB5D	
	270	10×20	0.045	0.18	1,570	EKZN630E□□271MJ20S	47	8×15	0.14	0.63	780	EKZN101E□□470MH15D	
	270	12.5×16	0.058	0.18	1,570	EKZN630E□□271MK16S	56	8×20	0.12	0.54	1,040	EKZN101E□□560MH20D	
	330	10×25	0.037	0.12	1,990	EKZN630E□□331MJ25S	56	10×12.5	0.14	0.56	780	EKZN101E□□560MJC5S	
	390	12.5×20	0.033	0.10	1,990	EKZN630E□□391MK20S	82	10×16	0.090	0.36	1,040	EKZN101E□□820MJ16S	
	560	12.5×25	0.026	0.080	2,460	EKZN630E□□561MK25S	100	10×20	0.068	0.28	1,430	EKZN101E□□101MJ20S	
	680	12.5×30	0.024	0.075	2,760	EKZN630E□□681MK30S	120	12.5×16	0.090	0.27	1,430	EKZN101E□□121MK16S	
	680	16×20	0.027	0.085	2,380	EKZN630E□□681ML20S	150	10×25	0.055	0.22	1,620	EKZN101E□□151MJ25S	
	820	12.5×35	0.022	0.068	3,040	EKZN630E□□821MK35S	180	12.5×20	0.048	0.15	1,750	EKZN101E□□181MK20S	
	820	18×20	0.026	0.078	2,530	EKZN630E□□821MM20S	220	12.5×25	0.038	0.12	2,210	EKZN101E□□221MK25S	
1,000	16×25	0.024	0.072	2,890	EKZN630E□□102ML25S	270	12.5×30	0.033	0.11	2,400	EKZN101E□□271MK30S		
1,200	16×31.5	0.020	0.060	3,280	EKZN630E□□122MLN3S	270	16×20	0.036	0.12	1,950	EKZN101E□□271ML20S		
1,200	18×25	0.022	0.066	2,930	EKZN630E□□122MM25S	390	12.5×35	0.026	0.078	2,600	EKZN101E□□391MK35S		
1,500	16×35.5	0.018	0.054	3,440	EKZN630E□□152MLP1S	390	16×25	0.028	0.084	2,430	EKZN101E□□391ML25S		
1,500	18×31.5	0.018	0.054	3,380	EKZN630E□□152MMN3S	390	18×20	0.032	0.096	2,270	EKZN101E□□391MM20S		
1,800	16×40	0.016	0.048	3,690	EKZN630E□□182ML40S	470	16×31.5	0.022	0.066	2,640	EKZN101E□□471MLN3S		
1,800	18×35.5	0.017	0.051	3,550	EKZN630E□□182MMP1S	560	16×35.5	0.020	0.060	2,860	EKZN101E□□561MMP1S		
2,200	18×40	0.015	0.045	3,930	EKZN630E□□222MM40S	560	18×25	0.027	0.081	2,500	EKZN101E□□561MM25S		
80	12	5×11	0.72	3.2	220	EKZN800E□□120ME11D	680	16×40	0.018	0.054	3,510	EKZN101E□□681ML40S	
	27	6.3×11	0.34	1.5	370	EKZN800E□□270MF11D	680	18×31.5	0.020	0.060	2,860	EKZN101E□□681MMN3S	
	47	8×11.5	0.20	0.90	620	EKZN800E□□470MHB5D	820	18×35.5	0.018	0.054	3,510	EKZN101E□□821MMP1S	
	68	8×15	0.14	0.63	780	EKZN800E□□680MH15D	1,000	18×40	0.017	0.051	3,860	EKZN101E□□102MM40S	

□□ : Enter the appropriate lead forming or taping code.

◆RATED RIPPLE CURRENT MULTIPLIERS

●Frequency Multipliers

Capacitance (μF)	Frequency (Hz)	120	1k	10k	100k
8.2 to 180		0.40	0.75	0.90	1.00
220 to 560		0.50	0.85	0.94	1.00
680 to 1,800		0.60	0.87	0.95	1.00
2,200 to 3,900		0.75	0.90	0.95	1.00
4,700 to 22,000		0.85	0.95	0.98	1.00

Note : The endurance of capacitors is reduced with internal heating produced by ripple current at the rate of halving the lifetime with every 5°C rise. When long life performance is required in actual use, the rms ripple current has to be reduced.



Стандарт Электрон Связь

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Осуществляем поставки продукции под контролем ВП МО РФ на предприятия военно-промышленного комплекса России , а также работаем в рамках 275 ФЗ с открытием отдельных счетов в уполномоченном банке. Система менеджмента качества компании соответствует требованиям ГОСТ ISO 9001.

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