

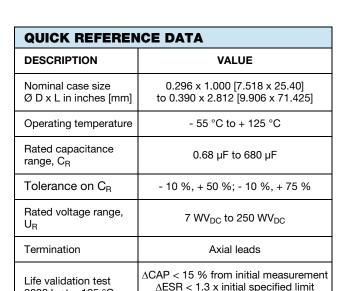
Aluminum Capacitors + 125 °C, Non-Polar, Miniature

FEATURES

- Extended temperature range
- · Exceptional capacitance stability



- Low DC leakage current
- · Tantalum foil replacement
- Axial lead
- Material categorization: For definitions of compliance please see <u>www.vishay.com/doc?99912</u>



 Δ DCL < initial specified limit Δ CAP < 10 % from initial measurement

 Δ ESR < 1.2 x initial specified limit

ΔDCL < 2.0 x initial specified limit

RIPPLE CURRENT MULTIPLIERS							
TEMPERATURE							
AMBIENT TEMPERATURE			MULTIPLIERS				
+ 100 °C			1.5				
+ 85 °C			2.0				
+ 65 °C			2.5				
FREQUENCY (Hz)							
WV _{DC}	50 TO 60	100 TO 120	300 TO 400	> 100K			
6 to 60	0.85	1.0	1.10	1.15			
61 to 250	0.83	1.0	1.15	1.20			

LOW TEMPERATURE PERFORMANCE						
CAPACITANCE: The maximum allowable capacitance change with temperature from + 25 °C shall be in accordance with the following:						
RATED VOLTAGE AT + 125 °C	PERCENT CAPACITANCE CHANGE AT					
AI + 125 C	- 55 °C	+ 85 °C	+ 125 °C			
5 to 15	- 30	+ 15	+ 20			
20 and up	- 25	+ 15	+ 20			

DIMENSIONS in inches [millimeters]						
CASE CODE	WITH OUTER INSULATION					
	DIAMETER	LENGTH (1) (max.)	TYPICAL WEIGHT (g)			
KD	0.297 ± 0.031 [7.54 ± 0.79]	1.000 [25.40]	1.90			
DE	0.390 ± 0.031 [9.92 ± 0.79]	1.187 [30.16]	3.90			
DU	0.390 ± 0.031 [9.92 ± 0.79]	1.500 [38.10]	4.90			
DL	0.390 ± 0.031 [9.92 ± 0.79]	2.187 [55.56]	7.00			
DR	0.390 ± 0.031 [9.92 ± 0.79]	2.812 [71.42]	8.60			

Note

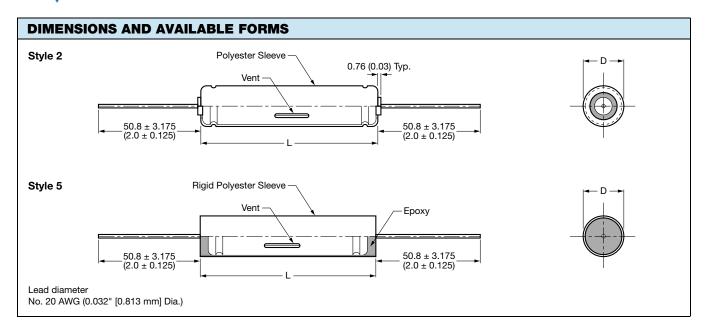
2000 h at + 125 °C

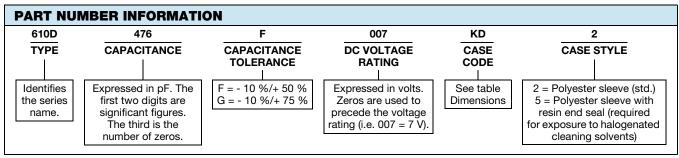
500 h at + 125 °C

Shelf life

(1) Style 2. For style 5, increase the maximum length by 0.125" [3.18 mm].

Vishay Sprague





Note

 For lead (Pb)-free/RoHS compliant products add suffix "E3" to part number. Example: 610D105F200KD2E3



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