

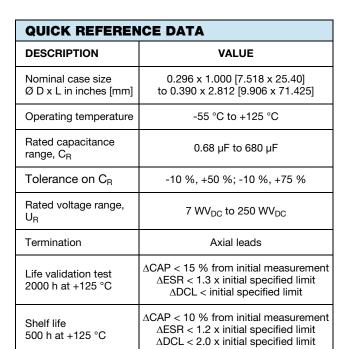
# Aluminum Capacitors +125 °C, Non-Polar, Miniature

### **FEATURES**

- Extended temperature range
- · Exceptional capacitance stability



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



RIPPLE CURRENT MULTIPLIERS							
TEMPERATURE							
AMBIENT TEMPERATURE			MULTIPLIERS				
+100 °C			1.5				
+85 °C			2.0				
+65 °C			2.5				
FREQUENCY (Hz)							
WV <sub>DC</sub>	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			

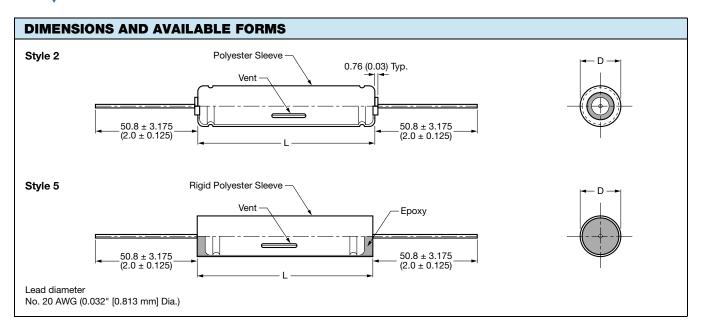
LOW TEMPERATURE PERFORMANCE						
CAPACITANCE: The maximum allowable capacitance change with temperature from +25 °C shall be in accordance with the following:						
RATED VOLTAGE AT +125 °C	PERCENT CAPACITANCE CHANGE AT					
AI +125 C	-55 °C	+85 °C	+125 °C			
5 to 15	-30	+15	+20			
20 and up	-25	+15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

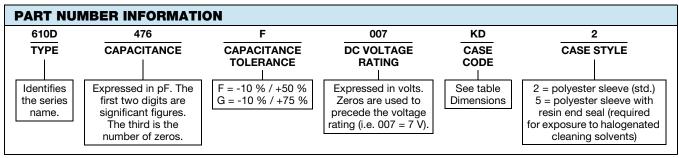
DIMENSIONS in inches [millimeters]						
CASE CODE	WITH OUTER INSULATION					
	DIAMETER	LENGTH (1) (max.)	TYPICAL WEIGHT (g)			
KD	0.297 ± 0.031 [7.54 ± 0.79]	1.000 [25.40]	1.90			
DE	0.390 ± 0.031 [9.92 ± 0.79]	1.187 [30.16]	3.90			
DU	0.390 ± 0.031 [9.92 ± 0.79]	1.500 [38.10]	4.90			
DL	0.390 ± 0.031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

(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

Statements about product lifetime are based on calculations and internal testing. They should only be interpreted as estimations. Also due to external factors, the lifetime in the field application may deviate from the calculated lifetime. In general, nothing stated herein shall be construed as a guarantee of durability.



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