

Aluminum Capacitors + 125 °C, Miniature, Axial Lead

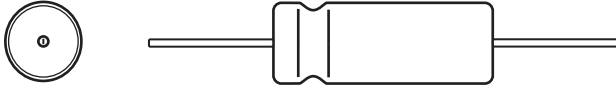


Fig.1 Component outline

QUICK REFERENCE DATA	
DESCRIPTION	VALUE
Nominal case size Ø D x L in mm	0.236" x 0.472" [6.0 x 12.0] to 0.472" x 1.771" [12.0 x 45.0]
Operating temperature	- 55 °C to + 125 °C
Rated capacitance range, C _R	6.8 µF to 3900 µF
Tolerance on C _R	± 20 %
Rated voltage range, U _R	3 WVDC to 63 WVDC
Termination	axial leaded
Life validation test at 125 °C	500 hours: Δ CAP ≤ 20 % from initial measurement. Δ ESR ≤ 1.5 x initial specified limit. Δ DCL ≤ initial specified limit.
Shelf life at 85 °C	500 hours: Δ CAP ≤ 20 % from initial measurement. Δ ESR ≤ 1.5 x initial specified limit. Δ DCL ≤ 3 x the initial specified limit.
DC leakage current	I = 0.004 CV + 3 I in µA, C in µF, V in Volts

FEATURES

- Extended temperature range
- Economical
- High reliability design
- For timing circuit applications
- Available on special order - Call Buy/Resale Division for part numbers and specifications
- Original 630D short numbers are inventoried



RIPPLE CURRENT MULTIPLIERS				
TEMPERATURE				
AMBIENT TEMPERATURE	MULTIPLIERS			
+ 125 °C	0.5			
+ 85 °C	1.0			
+ 65 °C	2.0			
+ 55 °C or less	2.5			
FREQUENCY (Hz)				
WVDC	50 - 60	100 - 120	300 - 400	> 1000
3 - 63	0.90	1.00	1.10	1.35

DIMENSIONS in inches [millimeters]

CASE CODE	NOMINAL		STYLE 2		STYLE 5	
	D	L	D (max.)	L (max.)	D (max.)	L (max.)
BB	0.248 [6.3]	0.689 [17.5]	0.276 [7.0]	0.756 [19.2]	0.276 [7.0]	0.815 [20.7]
CB	0.315 [8.0]	0.689 [17.5]	0.339 [8.6]	0.756 [19.2]	0.339 [8.6]	0.815 [20.7]
CC	0.315 [8.0]	0.807 [20.5]	0.339 [8.6]	0.878 [22.3]	0.339 [8.6]	0.937 [23.8]
DC	0.374 [9.5]	0.807 [20.5]	0.402 [10.2]	0.878 [22.3]	0.402 [10.2]	0.937 [23.8]
DD	0.374 [9.5]	0.945 [24.0]	0.402 [10.2]	1.004 [25.5]	0.402 [10.2]	1.063 [27.0]
DF	0.374 [9.5]	1.260 [32.0]	0.402 [10.2]	1.319 [33.5]	0.402 [10.2]	1.378 [35.0]
DH	0.374 [9.5]	1.496 [38.0]	0.402 [10.2]	1.567 [39.8]	0.402 [10.2]	1.626 [41.3]
EF	0.433 [11.0]	1.260 [32.0]	0.465 [11.8]	1.319 [33.5]	0.465 [11.8]	1.378 [35.0]
EH	0.433 [11.0]	1.496 [38.0]	0.465 [11.8]	1.567 [39.8]	0.465 [11.8]	1.63 [41.3]
FH	0.492 [12.5]	1.496 [38.0]	0.516 [13.1]	1.567 [39.8]	0.516 [13.1]	1.63 [41.3]
FK	0.492 [12.5]	1.752 [44.5]	0.516 [13.1]	1.83 [46.5]	0.516 [13.1]	1.89 [48.0]

**ORDERING EXAMPLE**

Electrolytic capacitor 630D series: 630D 157 M 030 DF 2 A

DESCRIPTION	
CODE	EXPLANATION
630D	product type
157	capacitance value (150 μ F)
M	tolerance (M = \pm 20 %)
030	voltage rating at 125 °C (030 = 30 V)
DF	can size (see dimensions table)
2	sleeve and sealing (2 = polyester sleeve)
A	packaging (A = bulk)



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