

Aluminum Capacitors + 125°C, Miniature, Axial Lead



PERFORMANCE CHARACTERISTICS

Operating Temperature: - 55°C to + 125°C.

Capacitance Range: 6.8μF to 3900μF.

Capacitance Tolerance: ± 20%.

Voltage Rating: 3WVDC to 63WVDC.

Case Size Range: 0.236" x 0.472" [6.0 x 12.0] to 0.472" x 1.771" [12.0 x 45.0].

Termination: Axial leaded.

Life Validation Test: 500 hours at + 125°C:

Δ CAP ≤ 20% from initial measurement.

Δ ESR ≤ 1.5 x initial specified limit.

Δ DCL ≤ initial specified limit.

Shelf Test: 500 hours at + 85°C:

Δ CAP ≤ 20% from initial measurement.

Δ ESR ≤ 1.5 x initial specified limit.

Δ DCL ≤ 3 x 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 INFORMATION

630D TYPE	826 CAPACITANCE	M CAPACITANCE TOLERANCE	003 DC VOLTAGE RATING	BB CASE CODE	2 CASE STYLE	A PACKAGING
	This is expressed in picofarads. The first two digits are the significant figures. The third is the number of zeros to follow.	M = ± 20%	This is expressed in volts. To complete the three-digit block, zeros precede the voltage rating. A decimal point is indicated by an "R" (6R3 = 6.3 volts).	See Dimensions.	2 = Polyester insulating sleeve. (Standard.) 5 = Polyester sleeve with resin end seal. (Required for exposure to halogenated cleaning solvents.)	A = Bulk Pack. Standard. T = Tape and Reel.