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MIL-PRF-49467

MIL-PRF-49467: Per DLA, this specification covers the general requirements for general purpose, ceramic multilayer high voltage capacitors for use in applications where appreciable variations in capacitance with respect to temperature, voltage, frequency, and life can be tolerated (BR and BZ characteristics) or in critical frequency determining applications, timing circuits, and other applications where absolute stability is required (BP characteristic).

Part or Identifying Number (PIN): Capacitors specified herein are identified by a PIN which consists of the basic number of the performance specification and a coded number. The coded number provides information concerning the characteristic, specification sheet number, capacitance, and capacitance tolerance. The PIN is in the following form with the coded number derived as indicated:

Characteristic: The characteristic refers to the voltage temperature limits of the capacitor. The first letter (B) (not shown) identifies the rated temperature range of -55°C to 125°C. The second letter indicates the voltage temperature limits as shown in Table 1.

MIL-PRF-49467 PART NUMBER REFERENCE

M49467	R	01	101	K
Performance Specification Indicating MIL-PRF-49467	Characteristic (1.2.1.1)	Performance Specification Sheet Number Indicating MIL-PRF-49467/1	Capacitance Value (1.2.1.2)	Capacitance Tolerance (1.2.1.3)

TABLE 1: CHARACTERISTIC

Symbol	Capacitance Change with Reference to +25°C		
	Step A through Step D of Table VII	Rated Voltage	Step E through Step G of Table VII
P	0 ppm/ °C ± 30 ppm/ °C	100%	0 ppm/ °C ± 30 ppm/ °C
R	± 15%	100%	+ 15, - 40%
Z	± 15%	60%	+ 15, - 45%

TABLE 2: CAPACITANCE TOLERANCE

Symbol	Capacitance Tolerance
J	± 5%
K	± 10%
M	± 20%

For more information on military specifications go to DSCC's website at www.dscc.dla.mil.

DIMENSIONS AND CONFIGURATION

Case Codes	Sizes (Max.)			Lead Spacing ± .030 (LS)	Lead Diameter ± .002 (LD)
	Width (W)	Height (H)	Thickness (T)		
A	.250	.220	.200	.170	.025
B	.320	.280	.250	.220	.025
C	.370	.300	.250	.275	.025
D	.470	.400	.270	.375	.025
E	.570	.500	.270	.475	.025
F	.670	.600	.270	.575	.025
G	.770	.720	.270	.675	.025
J	1.250	.600	.270	1.100	.025
K	1.450	.720	.270	1.300	.025
L	.450	.220	.200	.300	.025
M	.450	.220	.270	.300	.025