

INCH-POUND

MIL-PRF-123/18A
18 June 2001
SUPERSEDING
MIL-PRF-123/18
21 November 1989

PERFORMANCE SPECIFICATION SHEET
CAPACITORS, FIXED, CERAMIC DIELECTRIC,
(GENERAL PURPOSE), HIGH RELIABILITY,
LEADED, STYLE CKS24

This specification is approved for use by all Departments
and Agencies of the Department of Defense.

The requirements for acquiring the product described herein
shall consist of this specification and MIL-PRF-123.

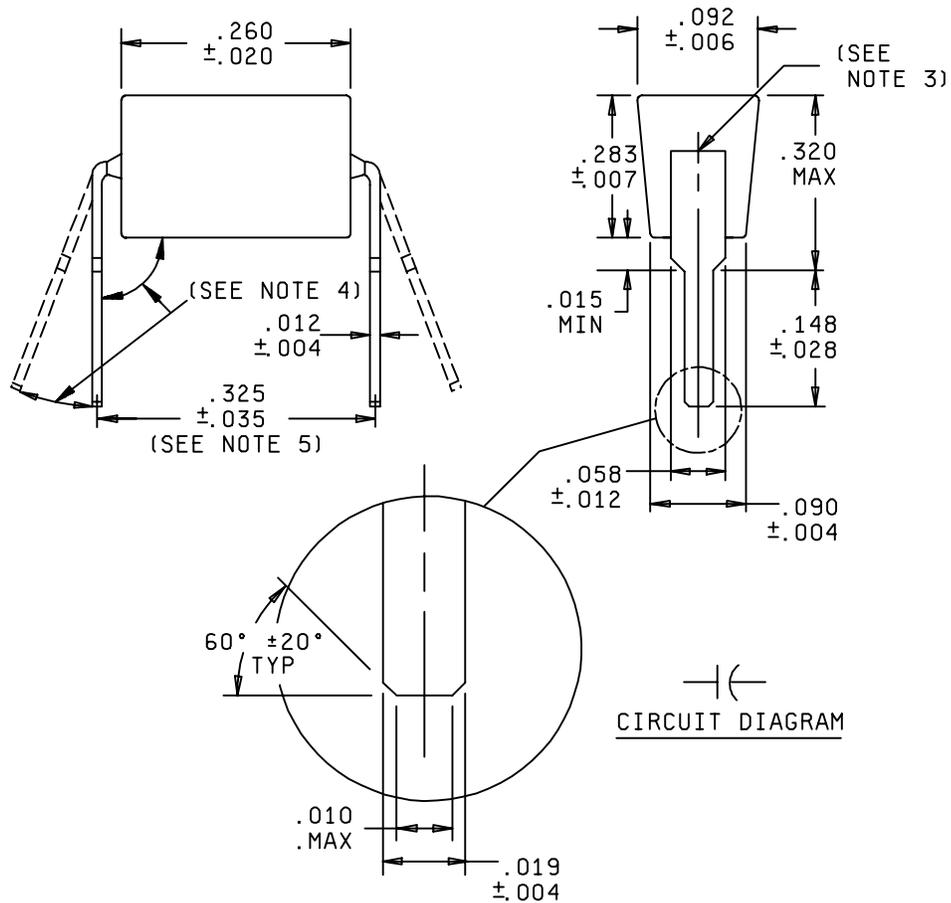


FIGURE 1. Style CKS24 capacitors.

MIL-PRF-123/18A

Inches	mm	Inches	mm	Inches	mm
.004	0.10	.019	0.48	.092	2.34
.006	0.15	.020	0.51	.148	3.76
.007	0.18	.028	0.71	.260	6.60
.010	0.25	.035	0.89	.283	7.19
.012	0.30	.058	1.47	.320	8.13
.015	0.38	.090	2.29	.325	8.26

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information.
3. Leads shall be centered within $\pm .005$ (0.13 mm).
4. The angle shall be $95^\circ +10^\circ, -5^\circ$.
5. The distance between the centers of the mounting holes will be $.300 \pm .010$ inch (7.62 ± 0.25 mm).
6. Nonconductive material shall not extend beyond .030 inch (0.76 mm) from the edge of the capacitor body.

FIGURE 1. Style CKS24 capacitors - Continued.

REQUIREMENTS:

Dimensions and configuration: See figure 1.

Case type: Molded plastic, encapsulated.

Lead wire: Type C of MIL-PRF-123.

Capacitance value: See table I.

Capacitance tolerance: See table I.

Operating temperature: -55°C to $+125^\circ\text{C}$.

Voltage-temperature limits: BR characteristic.

Voltage rating: See table I.

Pre-encapsulation terminal strength: In accordance with MIL-PRF-123.

Marking: In accordance with MIL-PRF-123, example 6.

MIL-PRF-123/18A

TABLE I. Style CKS24 characteristics.

Part or Identifying Number (PIN) ^{1/}	Capacitance (pF)	Voltage-temperature limits	Capacitance tolerance	Rated voltage (V dc)
M123A18BRC124KC	120,000	BR	K	100
M123A18BRC154-C	150,000	BR	K, M	100
M123A18BRB184KC	180,000	BR	K	50
M123A18BRB224-C	220,000	BR	K, M	50
M123A18BRB274KC	270,000	BR	K	50
M123A18BRB334-C	330,000	BR	K, M	50
M123A18BRB394KC	390,000	BR	K	50
M123A18BRB474-C	470,000	BR	K, M	50

^{1/} The complete PIN will include additional letter(s) to indicate capacitance tolerance and termination, as applicable.

Changes from previous issue. Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extent of the changes.

Custodians:
 Navy - EC
 Air Force - 19
 DLA - CC
 NASA - NA

Preparing activity:
 DLA - CC
 (Project 5910-2127-07)

Review activities:
 Air Force - 11