

INCH-POUND
MIL-PRF-123/18C
19 August 2011
SUPERSEDING
MIL-PRF-123/18B
26 April 2007

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

This specification sheet 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 sheet and [MIL-PRF-123](#).

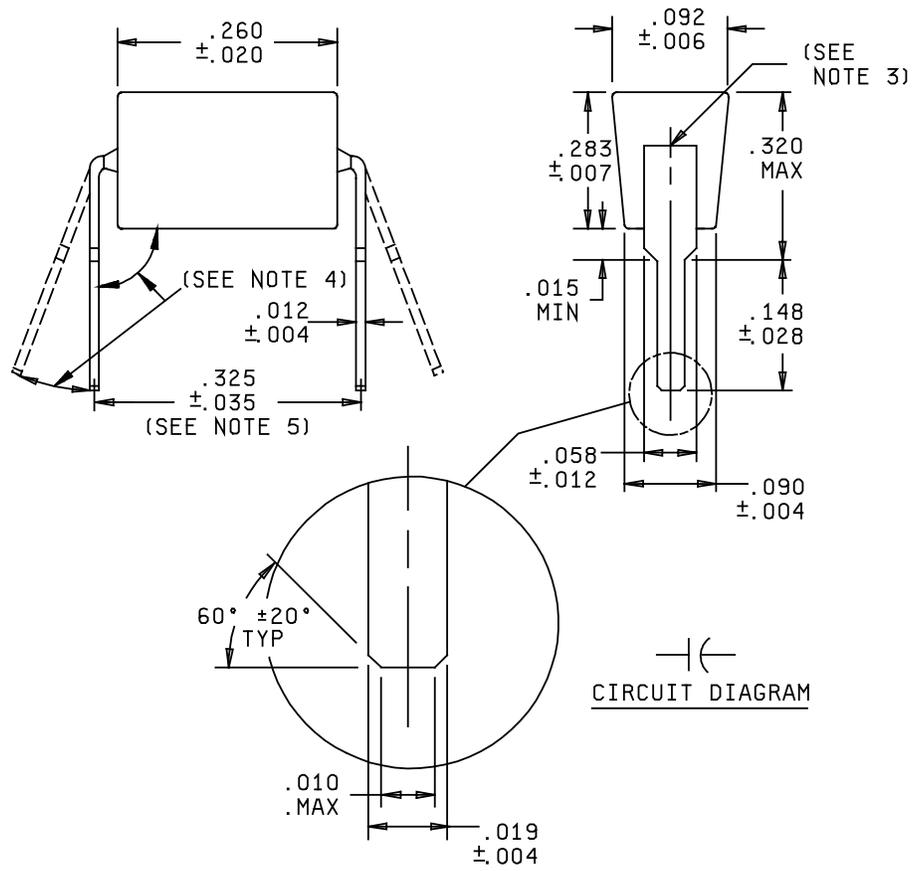


FIGURE 1. Style CKS24 capacitors.

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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 and BX characteristics.

Voltage rating: See [table I](#).

Pre-encapsulation terminal strength: In accordance with [MIL-PRF-123](#).

Marking: In accordance with [MIL-PRF-123](#), example 6.

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, M	100
M123A18BRC154-C	150,000	BR	K, M	100
M123A18BRB184KC	180,000	BR	K, M	50
M123A18BRB224-C	220,000	BR	K, M	50
M123A18B-B274-C	270,000	BX, BR	K, M	50
M123A18B-B334-C	330,000	BX, BR	K, M	50
M123A18B-B394-C	390,000	BX, BR	K, M	50
M123A18B-B474-C	470,000	BX, BR	K, M	50
M123A18BxB564-C	560,000	BX	K, M	50
M123A18BxB684-C	680,000	BX	K, M	50
M123A18BxB824-C	820,000	BX	K, M	50
M123A18BxB105-C	1,000,000	BX	K, M	50

^{1/} The complete PIN will include additional letters to indicate voltage-temperature limits and capacitance tolerance, as applicable.

Changes from previous issue: The margins of this specification sheet are marked with vertical lines to indicate where changes from the previous issue were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous issue.

Custodians:
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 Air Force - 19
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