

INCH-POUND

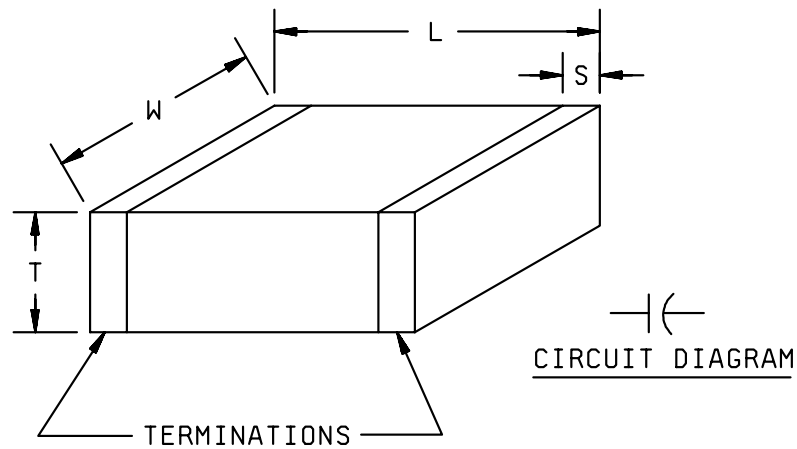
MIL-PRF-123/11E
3 March 2006
SUPERSEDING
MIL-PRF-123/11D
26 July 2005

PERFORMANCE SPECIFICATION SHEET

CAPACITORS, FIXED, CERAMIC DIELECTRIC,
(TEMPERATURE STABLE AND GENERAL PURPOSE),
HIGH RELIABILITY, NONLEADED, STYLE CKS52

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



L $\pm.015$	W $\pm.015$	T		S $\pm.010$	Inches	mm
		Min	Max			
.120	.100	.020	.065	.020	.010	0.25
					.015	0.38
					.020	0.51
					.065	1.65
					.100	2.54
					.120	3.05

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Dimensions and tolerances are for bare chips. For solder coated terminations, add .025 inch (0.64 mm) to the positive length tolerance and .015 inch to the positive width and thickness tolerances.

FIGURE 1. Style CKS52 capacitors.

MIL-PRF-123/11E

REQUIREMENTS:

Dimensions and configuration: See figure 1.

Case type: Multilayer, unencapsulated, monolithic ceramic.

* Termination: M, G, S, or Z in accordance with MIL-PRF-123.

Capacitance value: See table I.

* Capacitance tolerance: See table I. (F = ±1 percent; J = ±5 percent; K = ±10 percent; M = ±20 percent.)

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

* Rated voltage: See table I. 50 Vdc (voltage code B) and 100 Vdc (voltage code C).

Marking: In accordance with MIL-PRF-123.

* TABLE I. Style CKS52 characteristics.

Part or Identifying Number (PIN) ^{1/}	Capacitance (pF)	Capacitance tolerance	Voltage-temperature limits	Rated voltage (volts, dc)
M123A11BP-301--	300	F, J, K	BP	50, 100
M123A11BP-331--	330	F, J, K	BP	50, 100
M123A11BP-361--	360	F, J, K	BP	50, 100
M123A11BP-391--	390	F, J, K	BP	50, 100
M123A11BP-431--	430	F, J, K	BP	50, 100
M123A11BP-471--	470	F, J, K	BP	50, 100
M123A11BP-511--	510	F, J, K	BP	50, 100
M123A11BP-561--	560	F, J, K	BP	50, 100
M123A11BP-621--	620	F, J, K	BP	50, 100
M123A11BP-681--	680	F, J, K	BP	50, 100
M123A11BP-751--	750	F, J, K	BP	50, 100
M123A11BP-821--	820	F, J, K	BP	50, 100
M123A11BP-911--	910	F, J, K	BP	50, 100
M123A11BP-102--	1,000	F, J, K	BP	50, 100
M123A11BP-112--	1,100	F, J, K	BP	50, 100
M123A11BP-122--	1,200	F, J, K	BP	50, 100
M123A11BP-132--	1,300	F, J, K	BP	50, 100
M123A11BP-152--	1,500	F, J, K	BP	50, 100
M123A11BP-162--	1,600	F, J, K	BP	50, 100
M123A11BP-182--	1,800	F, J, K	BP	50, 100
M123A11BP-202--	2,000	F, J, K	BP	50, 100
M123A11BP-222--	2,200	F, J, K	BP	50, 100
M123A11BPB242--	2,400	F, J, K	BP	50
M123A11BPB272--	2,700	F, J, K	BP	50
M123A11BPB302--	3,000	F, J, K	BP	50
M123A11BPB332--	3,300	F, J, K	BP	50
M123A11BX-562--	5,600	K, M	BX	50, 100
M123A11BX-682--	6,800	K, M	BX	50, 100
M123A11BX-822--	8,200	K, M	BX	50, 100
M123A11BX-103--	10,000	K, M	BX	50, 100
M123A11BX-123--	12,000	K, M	BX	50, 100
M123A11BX-153--	15,000	K, M	BX	50, 100
M123A11BX-183--	18,000	K, M	BX	50, 100
M123A11BX-223--	22,000	K, M	BX	50, 100

^{1/} See footnote at end of table.

MIL-PRF-123/11E

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TABLE I. Style CKS52 characteristics - Continued.

PIN <u>1/</u>	Capacitance (pF)	Capacitance tolerance	Voltage-temperature limits	Rated voltage (volts)
M123A11BX-273--	27,000	K, M	BX	50, 100
M123A11BxB333--	33,000	K, M	BX	50
M123A11BxB393--	39,000	K, M	BX	50
M123A11BxB473--	47,000	K, M	BX	50
M123A11BxB563--	56,000	K, M	BX	50
M123A11BxB683--	68,000	K, M	BX	50
M123A11BxB823--	82,000	K, M	BX	50
M123A11BxB104--	100,000	K, M	BX	50

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

Changes from previous issue: The margins of this specification are marked with asterisks 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:
 Navy - EC
 Air Force - 19
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Preparing activity:
 DLA - CC
 (Project 5910-2006-021)

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