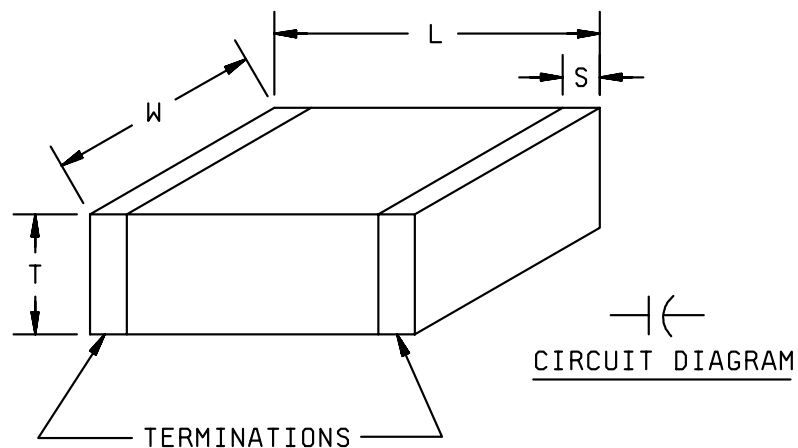


PERFORMANCE SPECIFICATION SHEET

CAPACITORS, FIXED, CERAMIC DIELECTRIC,  
 (TEMPERATURE STABLE AND GENERAL PURPOSE),  
 HIGH RELIABILITY, NONLEADED, STYLE CKS57

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 ±.015	W ±.015	T		S ±.010
		Min	Max	
.180	.250	.020	.080	.020

Inches	mm
.010	0.25
.015	0.38
.020	0.51
.080	2.03
.180	4.57
.250	6.35

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 (0.38 mm) to the positive width and thickness tolerances.

FIGURE 1. Style CKS57 capacitors.

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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.

Marking: In accordance with MIL-PRF-123.

\* TABLE I. Style CKS57 characteristics.

Part or Identifying Number (PIN) <sup>1/</sup>	Capacitance pF	Capacitance tolerance	Rated temperature and voltage-temperature limits	Rated voltage V dc
M123A23BPC392 --	3,900	F, J, K	BP	100
M123A23BPC472 --	4,700	F, J, K	BP	100
M123A23BPC512 --	5,100	F, J, K	BP	100
M123A23BPC562 --	5,600	F, J, K	BP	100
M123A23BPC622 --	6,200	F, J, K	BP	100
M123A23BPC682 --	6,800	F, J, K	BP	100
M123A23BPC752 --	7,500	F, J, K	BP	100
M123A23BPC822 --	8,200	F, J, K	BP	100
M123A23BPC912 --	9,100	F, J, K	BP	100
M123A23BPC103 --	10,000	F, J, K	BP	100
M123A23BPB113 --	11,000	F, J, K	BP	50
M123A23BPB123 --	12,000	F, J, K	BP	50
M123A23BPB133 --	13,000	F, J, K	BP	50
M123A23BPB153 --	15,000	F, J, K	BP	50
M123A23BPB163 --	16,000	F, J, K	BP	50
M123A23BPB183 --	18,000	F, J, K	BP	50
M123A23BPB203 --	20,000	F, J, K	BP	50
M123A23BPB223 --	22,000	F, J, K	BP	50
M123A23BXC563 --	56,000	K, M	BX	100
M123A23BXC683 --	68,000	K, M	BX	100
M123A23BXC823 --	82,000	K, M	BX	100
M123A23BXC104 --	100,000	K, M	BX	100
M123A23BXC124 --	120,000	K, M	BX	100
M123A23BXC154 --	150,000	K, M	BX	100
M123A23BXB184 --	180,000	K, M	BX	50
M123A23BXB224 --	220,000	K, M	BX	50
M123A23BXB274 --	270,000	K, M	BX	50
M123A23BXB334 --	330,000	K, M	BX	50
M123A23BXB394 --	390,000	K, M	BX	50
M123A23BXB474 --	470,000	K, M	BX	50

<sup>1/</sup> The complete PIN will include additional letter(s) to indicate capacitance tolerance and termination.

MIL-PRF-123/23B

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  
DLA - CC  
NASA - NA

Preparing activity:  
DLA - CC  
  
(Project 5910-2006-025)

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using ASSIST Online database at <http://assist.daps.dla.mil>.