

INCH-POUND

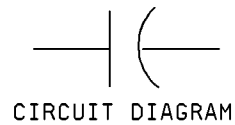
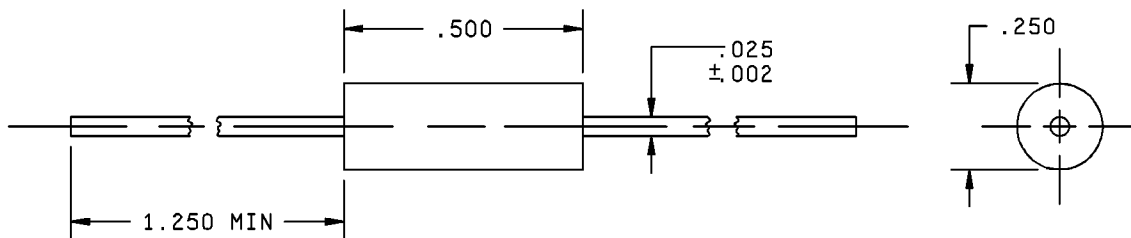
MIL-PRF-123/7C
18 June 2001
SUPERSEDING
MIL-PRF-123/7B
28 September 1994

PERFORMANCE SPECIFICATION SHEET

CAPACITORS, FIXED, CERAMIC DIELECTRIC,
(TEMPERATURE STABLE AND GENERAL PURPOSE),
HIGH RELIABILITY, LEADED, STYLE CKS15

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.



NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information.
3. Unless otherwise specified, tolerance is $\pm .010$ (0.25 mm).

Inches	mm
.002	0.05
.020	0.51
.025	0.64
.250	6.35
.500	12.70
1.250	31.75

FIGURE 1. Style CKS15 capacitors.

REQUIREMENTS:

Dimensions and configuration: See figure 1.

Case type: Tubular, molded, or preformed plastic encapsulated.

Lead wire: Termination W in accordance with MIL-PRF-123.

Capacitance value: See table I.

Capacitance tolerance: See table I.

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

Voltage rating: See table I.

Marking: In accordance with MIL-PRF-123, example 5.

TABLE I. Style CKS15 characteristics.

Part or Identifying Number (PIN) <u>1/</u>	Capacitance (pF)	Capacitance tolerance	Voltage-temperature limits	Rated voltage (volts)
M123A07BPC112-W	1,100	F, J, K	BP	100
M123A07BPC122-W	1,200	F, J, K	BP	100
M123A07BPC132-W	1,300	F, J, K	BP	100
M123A07BPC152-W	1,500	F, J, K	BP	100
M123A07BPC162-W	1,600	F, J, K	BP	100
M123A07BPC182-W	1,800	F, J, K	BP	100
M123A07BPC202-W	2,000	F, J, K	BP	100
M123A07BPC222-W	2,200	F, J, K	BP	100
M123A07BPB242-W	2,400	F, J, K	BP	50
M123A07BPB272-W	2,700	F, J, K	BP	50
M123A07BPB302-W	3,000	F, J, K	BP	50
M123A07BPB332-W	3,300	F, J, K	BP	50
M123A07BPB362-W	3,600	F, J, K	BP	50
M123A07BPB392-W	3,900	F, J, K	BP	50
M123A07BPB432-W	4,300	F, J, K	BP	50
M123A07BPB472-W	4,700	F, J, K	BP	50
M123A07BPB512-W	5,100	F, J, K	BP	50
M123A07BPB562-W	5,600	F, J, K	BP	50
M123A07BPB622-W	6,200	F, J, K	BP	50
M123A07BPB682-W	6,800	F, J, K	BP	50
M123A07BPB752-W	7,500	F, J, K	BP	50
M123A07BPB822-W	8,200	F, J, K	BP	50
M123A07BPB912-W	9,100	F, J, K	BP	50
M123A07BPB103-W	10,000	F, J, K	BP	50
M123A07BPB113-W	11,000	F, J, K	BP	50
M123A07BPB123-W	12,000	F, J, K	BP	50
M123A07BPB133-W	13,000	F, J, K	BP	50
M123A07BPB153-W	15,000	F, J, K	BP	50
M123A07BPB163-W	16,000	F, J, K	BP	50
M123A07BPB183-W	18,000	F, J, K	BP	50
M123A07BPB203-W	20,000	F, J, K	BP	50
M123A07BPB223-W	22,000	F, J, K	BP	50

See footnote at end of table.

TABLE I. Style CKS15 characteristics - Continued.

Part or Identifying Number (PIN) ^{1/}	Capacitance (pF)	Capacitance tolerance	Voltage-temperature limits	Rated voltage (volts)
M123A07BXC123KW	12,000	K	BX	100
M123A07BXC153KW	15,000	K	BX	100
M123A07BXC183KW	18,000	K	BX	100
M123A07BXC223KW	22,000	K	BX	100
M123A07BXC273KW	27,000	K	BX	100
M123A07BXC333KW	33,000	K	BX	100
M123A07BXC393KW	39,000	K	BX	100
M123A07BXC473KW	47,000	K	BX	100
M123A07BXC563KW	56,000	K	BX	100
M123A07BXC683KW	68,000	K	BX	100
M123A07BXC823KW	82,000	K	BX	100
M123A07BXC104KW	100,000	K	BX	100
M123A07BXB124KW	120,000	K	BX	50
M123A07BXB154KW	150,000	K	BX	50
M123A07BXB184KW	180,000	K	BX	50

^{1/} Complete PIN shall include an additional letter to indicate capacitance tolerance, if 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 5910-2127-05)

Review activities:
 Air Force - 11