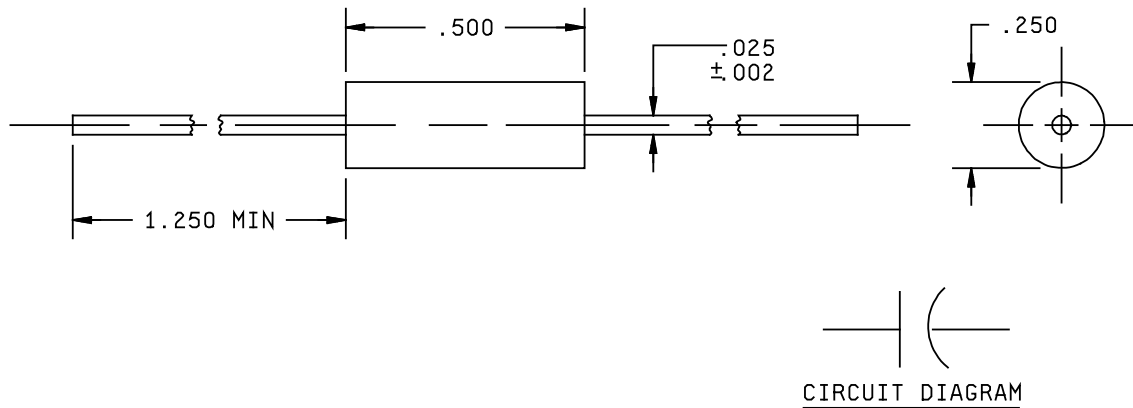


PERFORMANCE SPECIFICATION SHEET
CAPACITOR, FIXED, CERAMIC DIELECTRIC
(TEMPERATURE STABLE AND GENERAL PURPOSE),
HIGH RELIABILITY, LEADED, STYLE CKS15

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](#).



NOTES:

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



MIL-PRF-123/7G

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 (F = ± 1 percent; J = ± 5 percent; K = ± 10 percent).

Voltage-temperature limit: BP and BX in accordance with [MIL-PRF-123](#).

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

Voltage rating: See table I (B = 50 Vdc; C = 100 Vdc; D = 200 Vdc).

Marking: In accordance with [MIL-PRF-123](#), example 5.

TABLE I. [Style CKS15 characteristics](#).

Part or Identifying Number (PIN) 1/	Capacitance (pF)	Capacitance tolerance	Voltage-temperature limits	Rated voltage (volts, dc)
M123A07BPD821-W	820	F, J, K	BP	200
M123A07BPD102-W	1,000	F, J, K	BP	200
M123A07BP-112-W	1,100	F, J, K	BP	100, 200
M123A07BP-122-W	1,200	F, J, K	BP	100, 200
M123A07BP-132-W	1,300	F, J, K	BP	100, 200
M123A07BP-152-W	1,500	F, J, K	BP	100, 200
M123A07BP-162-W	1,600	F, J, K	BP	100, 200
M123A07BP-182-W	1,800	F, J, K	BP	100, 200
M123A07BP-202-W	2,000	F, J, K	BP	100, 200
M123A07BP-222-W	2,200	F, J, K	BP	100, 200
M123A07BP-242-W	2,400	F, J, K	BP	50, 200
M123A07BP-272-W	2,700	F, J, K	BP	50, 200
M123A07BP-302-W	3,000	F, J, K	BP	50, 200
M123A07BP-332-W	3,300	F, J, K	BP	50, 200
M123A07BPB362-W	3,600	F, J, K	BP	50
M123A07BP-392-W	3,900	F, J, K	BP	50, 100
M123A07BP-432-W	4,300	F, J, K	BP	50, 100
M123A07BP-472-W	4,700	F, J, K	BP	50, 100
M123A07BP-512-W	5,100	F, J, K	BP	50, 100
M123A07BP-562-W	5,600	F, J, K	BP	50, 100
M123A07BP-622-W	6,200	F, J, K	BP	50, 100
M123A07BP-682-W	6,800	F, J, K	BP	50, 100
M123A07BP-752-W	7,500	F, J, K	BP	50, 100
M123A07BP-822-W	8,200	F, J, K	BP	50, 100
M123A07BP-912-W	9,100	F, J, K	BP	50, 100
M123A07BP-103-W	10,000	F, J, K	BP	50, 100
M123A07BP-113-W	11,000	F, J, K	BP	50, 100
M123A07BP-123-W	12,000	F, J, K	BP	50, 100

[See footnote at end of table.](#)

TABLE I. Style CKS15 characteristics - Continued.

PIN ^{1/}	Capacitance (pF)	Capacitance tolerance	Voltage-temperature limits	Rated voltage (volts, dc)
M123A07BPP133-W	13,000	F, J, K	BP	50
M123A07BPP153-W	15,000	F, J, K	BP	50
M123A07BPP163-W	16,000	F, J, K	BP	50
M123A07BPP183-W	18,000	F, J, K	BP	50
M123A07BPP203-W	20,000	F, J, K	BP	50
M123A07BPP223-W	22,000	F, J, K	BP	50
M123A07BPP273-W	27,000	F, J, K	BP	50
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 voltage and capacitance tolerance, if 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 previous issue.

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

Preparing activity:
DLA - CC
(Project 5910-2024-038)

Review activities:
Air Force – 85

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 <https://assist.dla.mil>.