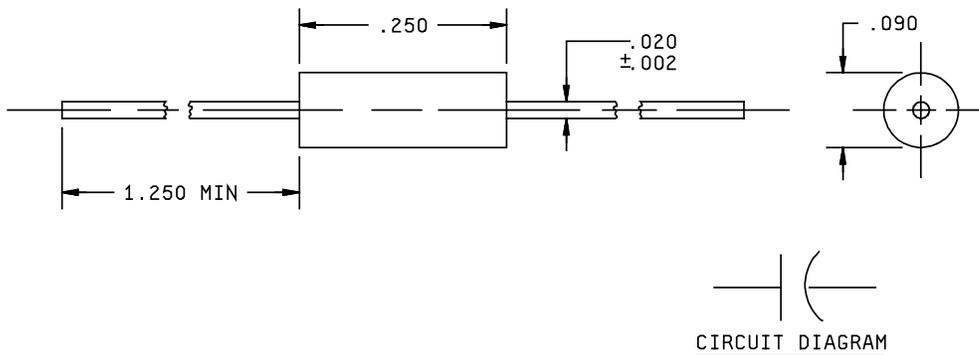


PERFORMANCE SPECIFICATION SHEET

CAPACITORS, FIXED, CERAMIC DIELECTRIC,
 (TEMPERATURE STABLE AND GENERAL PURPOSE),
 HIGH RELIABILITY, LEADED, STYLE CKS12

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 given for general information.
3. Unless otherwise specified, tolerance is $\pm .010$ (0.25 mm).

Inches	mm
.002	0.05
.020	0.51
.090	2.29
.250	6.35
1.250	31.75

FIGURE 1. Style CKS12 capacitors.

MIL-PRF-123/5D

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).

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 4.

TABLE I. Style CKS12 characteristics.

Part or Identifying Number (PIN) 1/	Capacitance (pF)	Capacitance tolerance	Voltage-temperature limits	Rated voltage (volts, dc)
M123A05BPD820-W	82	F, J, K	BP	200
M123A05BPD910-W	91	F, J, K	BP	200
M123A05BPD101-W	100	F, J, K	BP	200
M123A05BP-111-W	110	F, J, K	BP	100, 200
M123A05BP-121-W	120	F, J, K	BP	100, 200
M123A05BP-131-W	130	F, J, K	BP	100, 200
M123A05BPC151-W	150	F, J, K	BP	100
M123A05BPC161-W	160	F, J, K	BP	100
M123A05BPC181-W	180	F, J, K	BP	100
M123A05BPC201-W	200	F, J, K	BP	100
M123A05BPC221-W	220	F, J, K	BP	100
M123A05BPB241-W	240	F, J, K	BP	50
M123A05BP-271-W	270	F, J, K	BP	50, 100
M123A05BP-301-W	300	F, J, K	BP	50, 100
M123A05BP-331-W	330	F, J, K	BP	50, 100
M123A05BP-361-W	360	F, J, K	BP	50, 100
M123A05BP-391-W	390	F, J, K	BP	50, 100
M123A05BP-431-W	430	F, J, K	BP	50, 100
M123A05BP-471-W	470	F, J, K	BP	50, 100
M123A05BPC511-W	510	F, J, K	BP	100
M123A05BPC561-W	560	F, J, K	BP	100
M123A05BPC621-W	620	F, J, K	BP	100
M123A05BPC681-W	680	F, J, K	BP	100
M123A05BPB751-W	750	F, J, K	BP	50
M123A05BPB821-W	820	F, J, K	BP	50
M123A05BPB911-W	910	F, J, K	BP	50
M123A05BPB102-W	1,000	F, J, K	BP	50

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

TABLE I. Style CKS12 characteristics -continued

Part or Identifying Number (PIN) ^{1/}	Capacitance (pF)	Capacitance tolerance	Voltage-temperature limits	Rated voltage (volts, dc)
M123A05BXC122KW	1,200	K	BX	100
M123A05BXC152KW	1,500	K	BX	100
M123A05BXC182KW	1,800	K	BX	100
M123A05BXC222KW	2,200	K	BX	100
M123A05BXC272KW	2,700	K	BX	100
M123A05BXC332KW	3,300	K	BX	100
M123A05BXC392KW	3,900	K	BX	100
M123A05BXC472KW	4,700	K	BX	100
M123A05BXC562KW	5,600	K	BX	50
M123A05BXC682KW	6,800	K	BX	50
M123A05BXC822KW	8,200	K	BX	50
M123A05BXC103KW	10,000	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 last previous issue.

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

Preparing activity:
DLA - CC

(Project 5910-2014-006)

Review activities:
Air Force – 85, 99

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>.