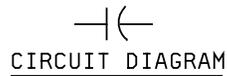
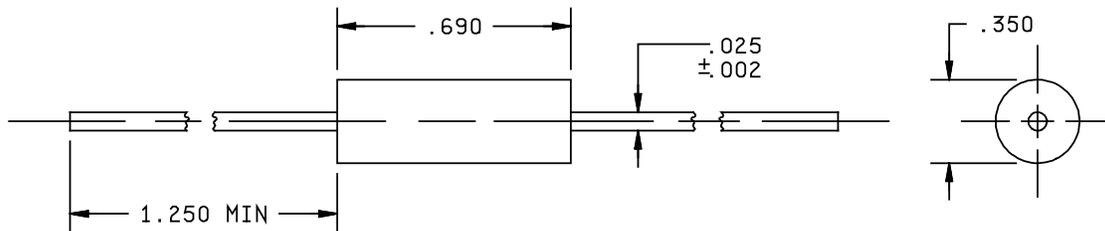


PERFORMANCE SPECIFICATION SHEET

CAPACITORS, FIXED, CERAMIC DIELECTRIC,  
(TEMPERATURE STABLE AND GENERAL PURPOSE),  
HIGH RELIABILITY, LEADED, STYLE CKS16

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](#).



Inches	mm
.002	0.05
.020	0.51
.025	0.64
.350	8.89
.690	17.53
1.250	31.75

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerance is ±.020 inch.

FIGURE 1. Style CKS16 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 (F =  $\pm 1$  percent; J =  $\pm 5$  percent; K =  $\pm 10$  percent).

Operating temperature:  $-55^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$ .

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 CKS16 characteristics.

Part or Identifying Number (PIN) <a href="#">1/</a>	Capacitance (pF)	Capacitance tolerance	Voltage-temperature limits	Rated voltage (volts, dc)
M123A08BPC242-W	2,400	F, J, K	BP	100
M123A08BPC272-W	2,700	F, J, K	BP	100
M123A08BPC302-W	3,000	F, J, K	BP	100
M123A08BPC332-W	3,300	F, J, K	BP	100
M123A08BPC362-W	3,600	F, J, K	BP	100
M123A08BP-392-W	3,900	F, J, K	BP	100, 200
M123A08BP-432-W	4,300	F, J, K	BP	100, 200
M123A08BP-472-W	4,700	F, J, K	BP	100, 200
M123A08BP-512-W	5,100	F, J, K	BP	100, 200
M123A08BP-562-W	5,600	F, J, K	BP	100, 200
M123A08BP-622-W	6,200	F, J, K	BP	100, 200
M123A08BP-682-W	6,800	F, J, K	BP	100, 200
M123A08BP-822-W	8,200	F, J, K	BP	100, 200
M123A08BP-912-W	9,100	F, J, K	BP	100, 200
M123A08BP-103-W	10,000	F, J, K	BP	100, 200
M123A08BPB113-W	11,000	F, J, K	BP	50
M123A08BPB123-W	12,000	F, J, K	BP	50
M123A08BPB133-W	13,000	F, J, K	BP	50
M123A08BP-153-W	15,000	F, J, K	BP	50, 100
M123A08BP-163-W	16,000	F, J, K	BP	50, 100
M123A08BP-183-W	18,000	F, J, K	BP	50, 100
M123A08BP-203-W	20,000	F, J, K	BP	50, 100
M123A08BP-223-W	22,000	F, J, K	BP	50, 100
M123A08BPC273-W	27,000	F, J, K	BP	100
M123A08BPC333-W	33,000	F, J, K	BP	100
M123A08BPC393-W	39,000	F, J, K	BP	100
M123A08BPB473-W	47,000	F, J, K	BP	50
M123A08BPB563-W	56,000	F, J, K	BP	50
M123A08BPB683-W	68,000	F, J, K	BP	50
M123A08BPB823-W	82,000	F, J, K	BP	50

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

TABLE I. Style CKS16 characteristics - Continued.

Part or Identifying Number (PIN) <sup>1/</sup>	Capacitance (pF)	Capacitance tolerance	Voltage-temperature limits	Rated voltage (volts, dc)
M123A08BXC124KW	120,000	K	BX	100
M123A08BXC154KW	150,000	K	BX	100
M123A08BXC184KW	180,000	K	BX	100
M123A08BXC224KW	220,000	K	BX	100
M123A08BXC274KW	270,000	K	BX	100
M123A08BXC334KW	330,000	K	BX	100
M123A08BXC394KW	390,000	K	BX	100
M123A08BXC474KW	470,000	K	BX	100
M123A08BXC564KW	560,000	K	BX	50
M123A08BXC684KW	680,000	K	BX	50
M123A08BXC824KW	820,000	K	BX	50
M123A08BXC105KW	1,000,000	K	BX	50

<sup>1/</sup> 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 5910-2014-009)

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>.