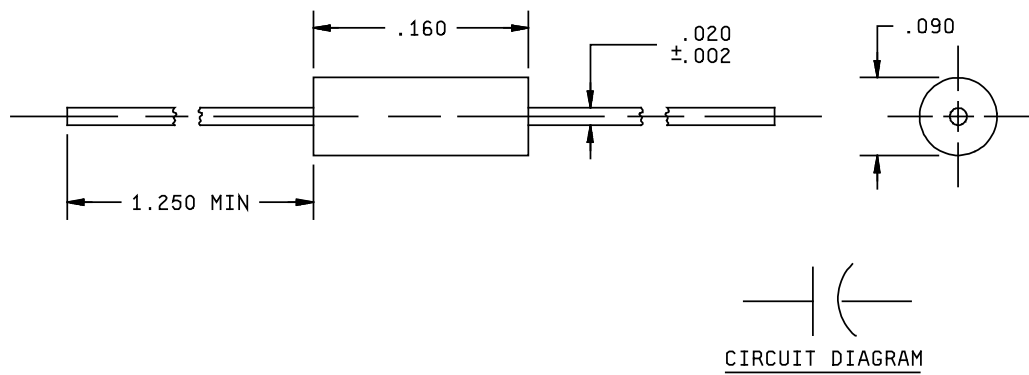


PERFORMANCE SPECIFICATION SHEET

CAPACITOR, FIXED, CERAMIC DIELECTRIC
(TEMPERATURE STABLE AND GENERAL PURPOSE),
HIGH RELIABILITY, LEADED, STYLE CKS11

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 ± .010 inch (0.25 mm).

Inches	mm
.002	0.05
.020	0.51
.090	2.29
.160	4.06
1.250	31.75

FIGURE 1. Style CKS11 capacitors.



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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 (B = ± 0.1 pF; C = ± 0.25 pF; D = ± 0.5 pF; 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 3.

TABLE I. Style CKS11 characteristics.

Part or Identifying Number (PIN) 1/	Capacitance (pF)	Capacitance tolerance	Voltage-temperature limits	Rated voltage (volts, dc)
M123A04BPDR10BW	0.10	B	BP	200
M123A04BPDR11BW	0.11	B	BP	200
M123A04BPDR12BW	0.12	B	BP	200
M123A04BPDR13BW	0.13	B	BP	200
M123A04BPDR15BW	0.15	B	BP	200
M123A04BPDR16BW	0.16	B	BP	200
M123A04BPDR18BW	0.18	B	BP	200
M123A04BPDR20BW	0.20	B	BP	200
M123A04BPDR22BW	0.22	B	BP	200
M123A04BPDR24BW	0.24	B	BP	200
M123A04BPDR27BW	0.27	B	BP	200
M123A04BPDR30BW	0.30	B	BP	200
M123A04BPDR33BW	0.33	B	BP	200
M123A04BPDR36BW	0.36	B	BP	200
M123A04BPDR39BW	0.39	B	BP	200
M123A04BPDR43BW	0.43	B	BP	200
M123A04BPDR47BW	0.47	B	BP	200
M123A04BPDR51BW	0.51	B	BP	200
M123A04BPDR56BW	0.56	B	BP	200
M123A04BPDR62BW	0.62	B	BP	200
M123A04BPDR68BW	0.68	B	BP	200
M123A04BPDR75BW	0.75	B	BP	200
M123A04BPDR82BW	0.82	B	BP	200
M123A04BPDR91BW	0.91	B	BP	200
M123A04BPD1R0-W	1.0	B, C	BP	200

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

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TABLE I. Style CKS11 characteristics - Continued.

PIN <u>1/</u>	Capacitance (pF)	Capacitance tolerance	Voltage-temperature limits	Rated voltage (volts, dc)
M123A04BPD1R1-W	1.1	B, C	BP	200
M123A04BPD1R2-W	1.2	B, C	BP	200
M123A04BPD1R3-W	1.3	B, C	BP	200
M123A04BPD1R5-W	1.5	B, C	BP	200
M123A04BPD1R6-W	1.6	B, C	BP	200
M123A04BPD1R8-W	1.8	B, C	BP	200
M123A04BPD2R0-W	2.0	B, C	BP	200
M123A04BPD2R2-W	2.2	B, C	BP	200
M123A04BPD2R4-W	2.4	B, C	BP	200
M123A04BPD2R7-W	2.7	B, C, D	BP	200
M123A04BPD3R0-W	3.0	B, C, D	BP	200
M123A04BPD3R3-W	3.3	B, C, D	BP	200
M123A04BPD3R6-W	3.6	B, C, D	BP	200
M123A04BPD3R9-W	3.9	B, C, D	BP	200
M123A04BPD4R3-W	4.3	B, C, D	BP	200
M123A04BP-4R7-W	4.7	B, C, D	BP	100, 200
M123A04BP-5R1-W	5.1	B, C, D	BP	100, 200
M123A04BP-6R2-W	6.2	B, C, D	BP	100, 200
M123A04BP-6R8-W	6.8	B, C, D	BP	100, 200
M123A04BP-7R5-W	7.5	B, C, D	BP	100, 200
M123A04BP-8R2-W	8.2	B, C, D	BP	100, 200
M123A04BP-9R1-W	9.1	B, C, D	BP	100, 200
M123A04BP-100-W	10	C, F, J, K	BP	100, 200
M123A04BP-110-W	11	C, F, J, K	BP	100, 200
M123A04BP-120-W	12	C, F, J, K	BP	100, 200
M123A04BP-130-W	13	C, F, J, K	BP	100, 200
M123A04BP-150-W	15	C, F, J, K	BP	100, 200
M123A04BP-160-W	16	C, F, J, K	BP	100, 200
M123A04BP-180-W	18	C, F, J, K	BP	100, 200
M123A04BP-200-W	20	C, F, J, K	BP	100, 200
M123A04BP-220-W	22	C, F, J, K	BP	100, 200
M123A04BP-240-W	24	C, F, J, K	BP	100, 200
M123A04BP-270-W	27	F, J, K	BP	100, 200
M123A04BP-300-W	30	F, J, K	BP	100, 200
M123A04BP-330-W	33	F, J, K	BP	100, 200
M123A04BP-360-W	36	F, J, K	BP	100, 200
M123A04BP-390-W	39	F, J, K	BP	100, 200
M123A04BP-430-W	43	F, J, K	BP	100, 200
M123A04BP-470-W	47	F, J, K	BP	100, 200
M123A04BP-510-W	51	F, J, K	BP	100, 200
M123A04BP-560-W	56	F, J, K	BP	100, 200
M123A04BP-620-W	62	F, J, K	BP	100, 200
M123A04BP-680-W	68	F, J, K	BP	100, 200
M123A04BP-750-W	75	F, J, K	BP	100, 200
M123A04BPC820-W	82	F, J, K	BP	100
M123A04BPC910-W	91	F, J, K	BP	100
M123A04BPC101-W	100	F, J, K	BP	100

See footnote at end of table.

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TABLE I. Style CKS11 characteristics - Continued.

PIN ^{1/}	Capacitance (pF)	Capacitance tolerance	Voltage-temperature limits	Rated voltage (volts, dc)
M123A04BP-111-W	110	F, J, K	BP	50, 100
M123A04BP-121-W	120	F, J, K	BP	50, 100
M123A04BP-131-W	130	F, J, K	BP	50, 100
M123A04BP-151-W	150	F, J, K	BP	50, 100
M123A04BP-161-W	160	F, J, K	BP	50, 100
M123A04BP-181-W	180	F, J, K	BP	50, 100
M123A04BP-201-W	200	F, J, K	BP	50, 100
M123A04BP-221-W	220	F, J, K	BP	50, 100
M123A04BP-241-W	240	F, J, K	BP	50, 100
M123A04BPB271-W	270	F, J, K	BP	50
M123A04BPB301-W	300	F, J, K	BP	50
M123A04BPB331-W	330	F, J, K	BP	50
M123A04BPB361-W	360	F, J, K	BP	50
M123A04BPB391-W	390	F, J, K	BP	50
M123A04BPB431-W	430	F, J, K	BP	50
M123A04BPB471-W	470	F, J, K	BP	50
M123A04BPB511-W	510	F, J, K	BP	50
M123A04BPB561-W	560	F, J, K	BP	50
M123A04BPB621-W	620	F, J, K	BP	50
M123A04BPB681-W	680	F, J, K	BP	50
M123A04BXC101KW	100	K	BX	100
M123A04BXC121KW	120	K	BX	100
M123A04BXC151KW	150	K	BX	100
M123A04BXC181KW	180	K	BX	100
M123A04BXC221KW	220	K	BX	100
M123A04BXC271KW	270	K	BX	100
M123A04BXC331KW	330	K	BX	100
M123A04BXC391KW	390	K	BX	100
M123A04BXC471KW	470	K	BX	100
M123A04BXC561KW	560	K	BX	100
M123A04BXC681KW	680	K	BX	100
M123A04BXC821KW	820	K	BX	100
M123A04BXC102KW	1,000	K	BX	100
M123A04BXB122KW	1,200	K	BX	50
M123A04BXB152KW	1,500	K	BX	50
M123A04BXB182KW	1,800	K	BX	50
M123A04BXB222KW	2,200	K	BX	50
M123A04BXB272KW	2,700	K	BX	50
M123A04BXB332KW	3,300	K	BX	50
M123A04BXB392KW	3,900	K	BX	50
M123A04BXB472KW	4,700	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:
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(Project 5910-2024-035)

Review activities:
Air Force – 85

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