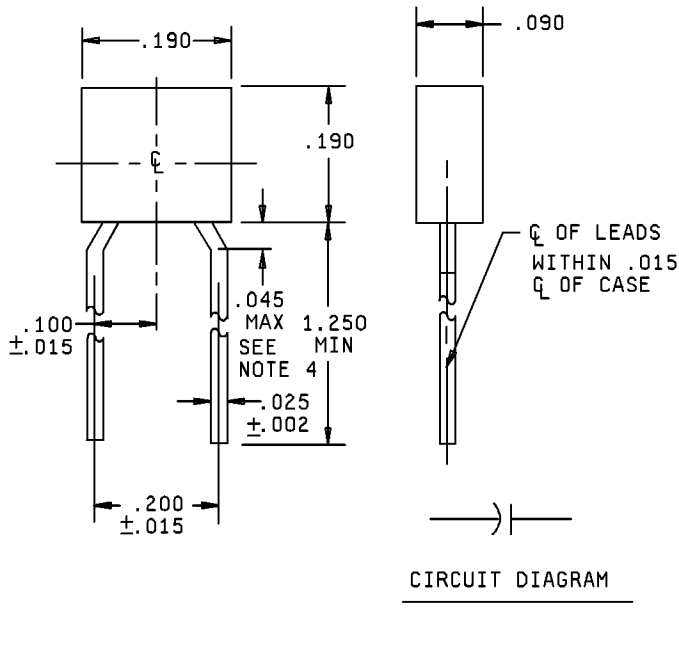


PERFORMANCE SPECIFICATION SHEET
CAPACITORS, FIXED, CERAMIC DIELECTRIC,
(TEMPERATURE STABLE AND GENERAL PURPOSE),
HIGH RELIABILITY, STYLE CKS05

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 only.
3. Unless otherwise specified, tolerances are ±.010 inch (0.25 mm).
4. For flush mounting, .078 inch (1.98 mm) printed-circuit-hole diameter is required to clear shoulder.

FIGURE 1. Style CKS05 capacitors.

REQUIREMENTS:

Dimensions and configuration: See figure 1.

Case type: Molded or preformed.

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

Capacitance value: See table I.

Capacitance tolerance: See table I.

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

Voltage rating: See table I.

Marking: In accordance with MIL-PRF-123, example 1.

TABLE I. Style CKS05 characteristics.

Part or Identifying Number (PIN) ^{1/}	Capacitance (pF)	Capacitance tolerance	Voltage-temperature limits	Rated voltage (volts)
M123A01BPC4R7-C	4.7	C, D	BP	100
M123A01BPC5R1-C	5.1	C, D	BP	100
M123A01BPC5R6-C	5.6	C, D	BP	100
M123A01BPC6R2-C	6.2	C, D	BP	100
M123A01BPC6R8-C	6.8	C, D	BP	100
M123A01BPC7R5-C	7.5	C, D	BP	100
M123A01BPC8R2-C	8.2	C, D	BP	100
M123A01BPC9R1-C	9.1	C, D	BP	100
M123A01BPC100-C	10	C, J, K	BP	100
M123A01BPC110-C	11	C, J, K	BP	100
M123A01BPC120-C	12	C, J, K	BP	100
M123A01BPC130-C	13	C, J, K	BP	100
M123A01BPC150-C	15	C, J, K	BP	100
M123A01BPC160-C	16	C, J, K	BP	100
M123A01BPC180-C	18	C, J, K	BP	100
M123A01BPC200-C	20	C, J, K	BP	100
M123A01BPC220-C	22	C, J, K	BP	100
M123A01BPC240-C	24	C, J, K	BP	100
M123A01BPC270-C	27	F, J, K	BP	100
M123A01BPC300-C	30	F, J, K	BP	100
M123A01BPC330-C	33	F, J, K	BP	100
M123A01BPC360-C	36	F, J, K	BP	100
M123A01BPC390-C	39	F, J, K	BP	100
M123A01BPC430-C	43	F, J, K	BP	100
M123A01BPC470-C	47	F, J, K	BP	100
M123A01BPC510-C	51	F, J, K	BP	100
M123A01BPC560-C	56	F, J, K	BP	100
M123A01BPC620-C	62	F, J, K	BP	100

See footnote at end of table.

MIL-PRF-123/1C

TABLE I. Style CKS05 characteristics - Continued.

Part or Identifying Number (PIN) <u>1/</u>	Capacitance (pF)	Capacitance tolerance	Voltage-temperature limits	Rated voltage (volts)
M123A01BPC680-C	68	F, J, K	BP	100
M123A01BPC750-C	75	F, J, K	BP	100
M123A01BPC820-C	82	F, J, K	BP	100
M123A01BPC910-C	91	F, J, K	BP	100
M123A01BPC101-C	100	F, J, K	BP	100
M123A01BPC111-C	110	F, J, K	BP	100
M123A01BPC121-C	120	F, J, K	BP	100
M123A01BPC131-C	130	F, J, K	BP	100
M123A01BPC151-C	150	F, J, K	BP	100
M123A01BPC161-C	160	F, J, K	BP	100
M123A01BPC181-C	180	F, J, K	BP	100
M123A01BPC201-C	200	F, J, K	BP	100
M123A01BPC221-C	220	F, J, K	BP	100
M123A01BPC241-C	240	F, J, K	BP	100
M123A01BPB271-C	270	F, J, K	BP	50
M123A01BPB301-C	300	F, J, K	BP	50
M123A01BPB331-C	330	F, J, K	BP	50
M123A01BPB361-C	360	F, J, K	BP	50
M123A01BPB391-C	390	F, J, K	BP	50
M123A01BPB431-C	430	F, J, K	BP	50
M123A01BPB471-C	470	F, J, K	BP	50
M123A01BPB511-C	510	F, J, K	BP	50
M123A01BPB561-C	560	F, J, K	BP	50
M123A01BPB621-C	620	F, J, K	BP	50
M123A01BPB681-C	680	F, J, K	BP	50
M123A01BPB751-C	750	F, J, K	BP	50
M123A01BPB821-C	820	F, J, K	BP	50
M123A01BPB911-C	910	F, J, K	BP	50
M123A01BPB102-C	1,000	F, J, K	BP	50
M123A01BPB112-C	1,100	F, J, K	BP	50
M123A01BPB122-C	1,200	F, J, K	BP	50
M123A01BPB132-C	1,300	F, J, K	BP	50
M123A01BPB152-C	1,500	F, J, K	BP	50
M123A01BPB162-C	1,600	F, J, K	BP	50
M123A01BPB182-C	1,800	F, J, K	BP	50
M123A01BPB202-C	2,000	F, J, K	BP	50
M123A01BPB222-C	2,200	F, J, K	BP	50
M123A01BPB242-C	2,400	F, J, K	BP	50
M123A01BPB272-C	2,700	F, J, K	BP	50

See footnote at end of table.

TABLE I. Style CKS05 characteristics - Continued.

Part or Identifying Number (PIN) <u>1/</u>	Capacitance (pF)	Capacitance tolerance	Voltage-temperature limits	Rated voltage (volts)
M123A01BXC271KC	270	K	BX	100
M123A01BXC331KC	330	K	BX	100
M123A01BXC391KC	390	K	BX	100
M123A01BXC471KC	470	K	BX	100
M123A01BXC561KC	560	K	BX	100
M123A01BXC681KC	680	K	BX	100
M123A01BXC821KC	820	K	BX	100
M123A01BXC102KC	1,000	K	BX	100
M123A01BXC122KC	1,200	K	BX	100
M123A01BXC152KC	1,500	K	BX	100
M123A01BXC182KC	1,800	K	BX	100
M123A01BXC222KC	2,200	K	BX	100
M123A01BXC272KC	2,700	K	BX	100
M123A01BXC332KC	3,300	K	BX	100
M123A01BXC392KC	3,900	K	BX	100
M123A01BXC472KC	4,700	K	BX	100
M123A01BXB562KC	5,600	K	BX	50
M123A01BXB682KC	6,800	K	BX	50
M123A01BXB822KC	8,200	K	BX	50
M123A01BXB103KC	10,000	K	BX	50

1/ Complete PIN shall include an additional symbol 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 5910-2127-01)

Review activities:

Air Force - 11