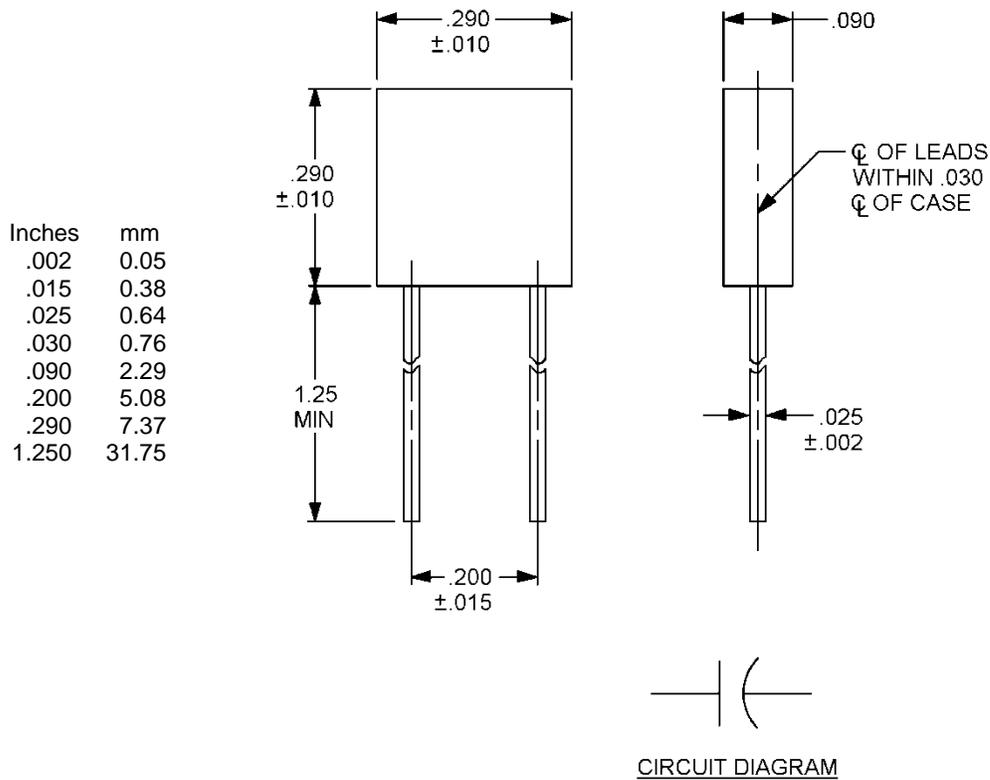


PERFORMANCE SPECIFICATION SHEET

CAPACITORS, FIXED, CERAMIC DIELECTRIC,
(TEMPERATURE STABLE AND GENERAL PURPOSE),
HIGH RELIABILITY, LEADED,
STYLE CKS06

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, tolerances are $\pm .010$ inch (0.25 mm).

FIGURE 1. Style CKS06 capacitors.

TABLE I. Style CKS06 characteristics.

Part or Identifying Number (PIN) 1/	Capacitance (pF)	Capacitance tolerance	Voltage-temperature limits	Rated voltage (volts, dc)
M123A02BPC271-C	270	F, J, K	BP	100
M123A02BPC301-C	300	F, J, K	BP	100
M123A02BPC331-C	330	F, J, K	BP	100
M123A02BP-361-C	360	F, J, K	BP	100, 200
M123A02BP-391-C	390	F, J, K	BP	100, 200
M123A02BP-431-C	430	F, J, K	BP	100, 200
M123A02BP-471-C	470	F, J, K	BP	100, 200
M123A02BP-511-C	510	F, J, K	BP	100, 200
M123A02BP-561-C	560	F, J, K	BP	100, 200
M123A02BP-621-C	620	F, J, K	BP	100, 200
M123A02BP-681-C	680	F, J, K	BP	100, 200
M123A02BP-751-C	750	F, J, K	BP	100, 200
M123A02BP-821-C	820	F, J, K	BP	100, 200
M123A02BP-911-C	910	F, J, K	BP	100, 200
M123A02BP-102-C	1,000	F, J, K	BP	100, 200
M123A02BP-112-C	1,100	F, J, K	BP	100, 200
M123A02BP-122-C	1,200	F, J, K	BP	100, 200
M123A02BP-132-C	1,300	F, J, K	BP	100, 200
M123A02BP-152-C	1,500	F, J, K	BP	100, 200
M123A02BP-162-C	1,600	F, J, K	BP	100, 200
M123A02BP-182-C	1,800	F, J, K	BP	100, 200
M123A02BPC202-C	2,000	F, J, K	BP	100
M123A02BPC222-C	2,200	F, J, K	BP	100
M123A02BPC242-C	2,400	F, J, K	BP	100
M123A02BP-272-C	2,700	F, J, K	BP	50, 100
M123A02BP-302-C	3,000	F, J, K	BP	50, 100
M123A02BP-332-C	3,300	F, J, K	BP	50, 100
M123A02BP-362-C	3,600	F, J, K	BP	50, 100
M123A02BP-392-C	3,900	F, J, K	BP	50, 100
M123A02BP-432-C	4,300	F, J, K	BP	50, 100
M123A02BP-472-C	4,700	F, J, K	BP	50, 100
M123A02BPB512-C	5,100	F, J, K	BP	50
M123A02BPB562-C	5,600	F, J, K	BP	50
M123A02BPB622-C	6,200	F, J, K	BP	50
M123A02BPB682-C	6,800	F, J, K	BP	50
M123A02BPB752-C	7,500	F, J, K	BP	50
M123A02BPB822-C	8,200	F, J, K	BP	50
M123A02BPB912-C	9,100	F, J, K	BP	50
M123A02BPB103-C	10,000	F, J, K	BP	50
M123A02BPB123-C	12,000	F, J, K	BP	50
M123A02BPB153-C	15,000	F, J, K	BP	50
M123A02BPB183-C	18,000	F, J, K	BP	50

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

MIL-PRF-123/2F

TABLE I. Style CKS06 characteristics - Continued.

Part or Identifying Number (PIN) ^{1/}	Capacitance (pF)	Capacitance tolerance	Voltage-temperature limits	Rated voltage (volts, dc)
M123A02BXC562KC	5,600	K	BX	100
M123A02BXC682KC	6,800	K	BX	100
M123A02BXC822KC	8,200	K	BX	100
M123A02BXC103KC	10,000	K	BX	100
M123A02BXC123KC	12,000	K	BX	100
M123A02BXC153KC	15,000	K	BX	100
M123A02BXC183KC	18,000	K	BX	100
M123A02BXC223KC	22,000	K	BX	100
M123A02BXC273KC	27,000	K	BX	100
M123A02BXC333KC	33,000	K	BX	100
M123A02BXC393KC	39,000	K	BX	100
M123A02BXC473KC	47,000	K	BX	100
M123A02BX-563KC	56,000	K	BX	50, 100
M123A02BX-683KC	68,000	K	BX	50, 100
M123A02BX-823KC	82,000	K	BX	50, 100
M123A02BX-104KC	100,000	K	BX	50, 100
M123A02BXB124KC	120,000	K	BX	50
M123A02BXB154KC	150,000	K	BX	50
M123A02BXB184KC	180,000	K	BX	50
M123A02BXB224KC	220,000	K	BX	50
M123A02BXB274KC	270,000	K	BX	50
M123A02BXB334KC	330,000	K	BX	50
M123A02BXB394KC	390,000	K	BX	50
M123A02BXB474KC	470,000	K	BX	50
M123A02BXB564KC	560,000	K	BX	50
M123A02BXB684KC	680,000	K	BX	50
M123A02BXB824KC	820,000	K	BX	50
M123A02BXB105KC	1,000,000	K	BX	50

^{1/} The complete PIN will include a symbol to indicate voltage and capacitance tolerance, if applicable.

REQUIREMENTS:

Dimensions and configuration: See [figure 1](#).

Case type: Molded or preform.

Lead wire: Termination C 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 2.

Extension of qualification option: For MIL-PRF-123/2, manufacturers that are currently qualified to a subset of the full capacitance range for a given voltage rating and voltage-temperature characteristic; qualification to additional capacitance values may be granted based upon successfully meeting [MIL-STD-790](#) requirements, in-process inspection, and group A and group B inspections for those values. This qualification option is restricted to a given voltage rating and voltage-temperature characteristic. The highest capacitance value qualified can be the basis for qualifying lower capacitance values of the same voltage rating and voltage temperature characteristic.

Referenced documents. In addition to [MIL-PRF-123](#), this specification sheet references the following document:

[MIL-STD-790](#)

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:

Army - CR
Navy - EC
Air Force - 19
DLA - CC
NASA - NA

Preparing activity:

DLA - CC

(Project 5910-2014-003)

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>.