

INCH-POUND

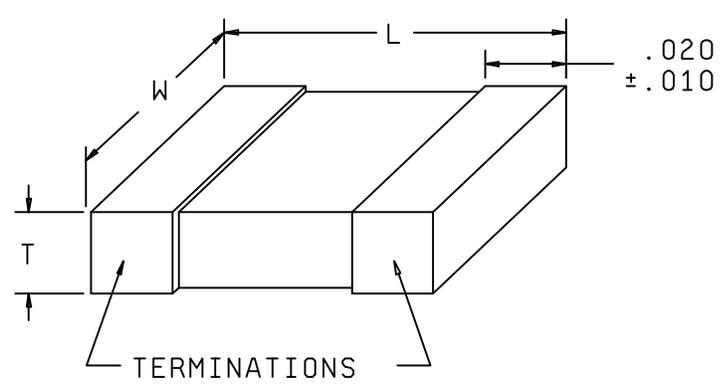
MIL-PRF-55681/2C
 3 July 1997
 SUPERSEDING
 MIL-C-55681/2B
 24 July 1990

PERFORMANCE SPECIFICATION SHEET

CAPACITORS, CHIP, MULTIPLE LAYER,
 FIXED, CERAMIC DIELECTRIC, ESTABLISHED RELIABILITY
 AND NON-ESTABLISHED RELIABILITY
 STYLE CDR05

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-55681.



Inches	mm
.010	0.25
.015	0.38
.020	0.51
.080	2.03
.180	4.57
.250	6.35

Dimensions			
L +.020 -.015	W +.020 -.015	T	
		Min	Max
.180	.250	.020	.080

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Dimensions and tolerances are for bare chips. For solder coated terminations, add .025 inch (0.64 mm) to the positive length tolerance and .015 inch (0.38 mm) to the positive width and thickness tolerances.

FIGURE 1. Dimensions and configuration.

MIL-PRF-55681/2C

REQUIREMENTS:

Dimensions and configuration: See figure 1.

Capacitance value: See table I.

Capacitance tolerance: J = ± 5 percent; K = ± 10 percent; M = ± 20 percent. See table I.

Rated voltage: See table I.

Product level: Non-established Reliability - C; Established Reliability - M, P, R, and S.

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

Marking: In accordance with MIL-PRF-55681.

TABLE I. Capacitor characteristics.

Part or Identifying Number (PIN) ^{1/}	Capacitance (pF)	Capacitance tolerance	Rated temperature and voltage temperature limits	Rated voltage (V dc)
CDR05BP392B - - -	3,900	J, K	BP	100
CDR05BP472B - - -	4,700	J, K	BP	100
CDR05BP562B - - -	5,600	J, K	BP	100
CDR05BX683B - - -	68,000	K, M	BX	100
CDR05BX823BK - -	82,000	K	BX	100
CDR05BX104B - - -	100,000	K, M	BX	100
CDR05BX124BK - -	120,000	K	BX	100
CDR05BX154B - - -	150,000	K, M	BX	100
CDR05BX224A - - -	220,000	K, M	BX	50
CDR05BX274AK - -	270,000	K	BX	50
CDR05BX334A - - -	330,000	K, M	BX	50

^{1/} Complete PIN shall include additional symbols to indicate capacitance tolerance (where applicable), termination finish, and product level.

Custodians:
 Army - CR
 Navy - EC
 Air Force - 85

Review activities:
 Navy - AS, MC, OS, SH
 Air Force - 19, 99
 DLA - CC

Preparing activity:
 Army - CR

Agent:
 DLA - CC

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