

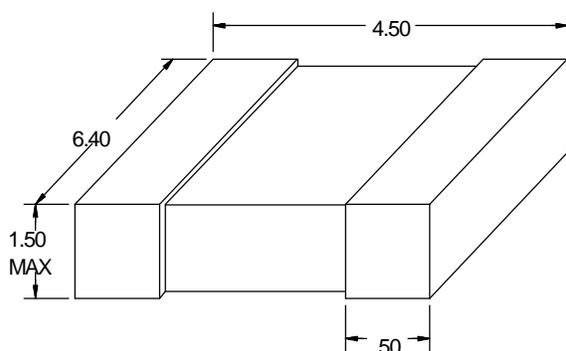
METRIC
MIL-PRF-55681/11B
3 July 1997
SUPERSEDING
MIL-C-55681/11A
28 July 1989

PERFORMANCE SPECIFICATION SHEET

CAPACITORS, CHIP, MULTIPLE LAYER, FIXED, CERAMIC DIELECTRIC,
ESTABLISHED RELIABILITY AND NON-ESTABLISHED RELIABILITY,
STYLE CDR35, METRIC

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 sheet and MIL-PRF-55681.



mm	Inches
0.30	.012
0.50	.020
0.60	.023
1.50	.059
4.50	.176
6.40	.250

NOTES:

1. Dimensions are in millimeters.
2. Unless otherwise specified, tolerance is ± 0.30 mm (.012 inch).
3. Dimensions and tolerances are for bare chips. For solder coated terminations add 0.60 mm (.023 inch) to the positive length tolerance and 0.30 mm (.012 inch) to the positive width and thickness tolerance.
4. Inch equivalents are given for general information only.

FIGURE 1. Style CDR35 capacitors.

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TABLE I. Style CDR35 capacitor characteristics.

Part or Identifying Number (PIN) ^{1/}	Capacitance pF	Capacitance tolerance	Rated temperature and voltage-temperature limits	Rated voltage V dc
CDR35BP472B ---	4,700	F, J, K	BP	100
CDR35BP512B ---	5,100	F, J, K	BP	100
CDR35BP562B ---	5,600	F, J, K	BP	100
CDR35BP622B ---	6,200	F, J, K	BP	100
CDR35BP682B ---	6,800	F, J, K	BP	100
CDR35BP752B ---	7,500	F, J, K	BP	100
CDR35BP822B ---	8,200	F, J, K	BP	100
CDR35BP912B ---	9,100	F, J, K	BP	100
CDR35BP103B ---	10,000	F, J, K	BP	100
CDR35BP113A ---	11,000	F, J, K	BP	50
CDR35BP123A ---	12,000	F, J, K	BP	50
CDR35BP133A ---	13,000	F, J, K	BP	50
CDR35BP153A ---	15,000	F, J, K	BP	50
CDR35BP163A ---	16,000	F, J, K	BP	50
CDR35BP183A ---	18,000	F, J, K	BP	50
CDR35BP203A ---	20,000	F, J, K	BP	50
CDR35BP223A ---	22,000	F, J, K	BP	50
CDR35BX563B ---	56,000	K, M	BX	100
CDR35BX683B ---	68,000	K, M	BX	100
CDR35BX823B ---	82,000	K, M	BX	100
CDR35BX104B ---	100,000	K, M	BX	100
CDR35BX124B ---	120,000	K, M	BX	100
CDR35BX154B ---	150,000	K, M	BX	100
CDR35BX184A ---	180,000	K, M	BX	50
CDR35BX224A ---	220,000	K, M	BX	50
CDR35BX274A ---	270,000	K, M	BX	50
CDR35BX334A ---	330,000	K, M	BX	50
CDR35BX394A ---	390,000	K, M	BX	50
CDR35BX474A ---	470,000	K, M	BX	50

^{1/} The complete PIN will include additional symbols to indicate capacitance tolerance, termination and product level.

REQUIREMENTS:

Dimensions and configuration: See figure 1.

Capacitance value: See table I.

Capacitance tolerance: F = ± 1 percent; J = ± 5 percent; K = ± 10 percent; M = ± 20 percent. See table I.

Rated voltage: See table I.

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

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

Marking: In accordance with MIL-PRF-55681.

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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