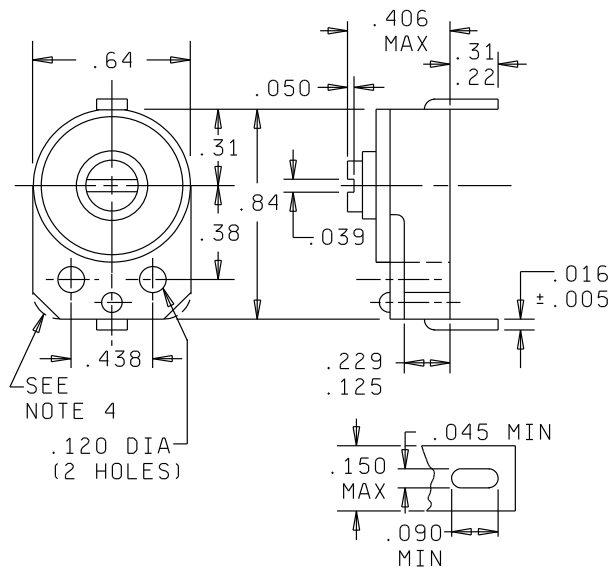


PERFORMANCE SPECIFICATION SHEET
CAPACITOR, VARIABLE, CERAMIC DIELECTRIC,
STYLE CV11

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-81](#).



Inches	mm
.005	0.13
.016	0.41
.039	0.99
.045	1.14
.050	1.27
.090	2.29
.120	3.05
.125	3.18
.150	3.81
.22	5.59
.229	5.82
.31	7.87
.38	9.65
.406	10.31
.438	11.13
.64	16.26
.84	21.34

- NOTES:
1. Dimensions are in inches.
 2. Metric equivalents are in millimeters and are given for general information only.
 3. Unless otherwise specified, tolerances are ± .03 inch (0.76 mm) for two decimal places and ± .010 inch (0.25 mm) for three decimal places.
 4. Limiting dimensions as shown.

FIGURE 1. Dimensions and configurations.



MIL-PRF-81/1G

REQUIREMENTS:

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

Capacitance value: See [table I](#).

DC rated voltage: See [table I](#).

Operating temperature range: -55°C to +85°C.

Characteristics: See [table I](#).

Dielectric withstanding voltage (DWV): In accordance with [MIL-PRF-81](#), terminal to terminal.

TABLE I. Style CV11.

Part or Identifying Number (PIN)	Capacitance (pF)		DC rated voltage (volts)	Symbol	Characteristics			
					Capacitance change from value at +25°C			
					At -55°C		At +85°C	
	Minimum	Maximum			Minimum (percent)	Maximum (percent)	Minimum (percent)	Maximum (percent)
CV11A070	1.5	7.0	500	A	-4.5	+2.0	-2.5	+2.0
CV11A120	3.0	12.0	500	A	-4.5	+2.0	-2.5	+2.0
CV11A250	4.5	25.0	500	A	-4.5	+2.0	-2.5	+2.0
CV11B130	3.0	13.0	500	B	-1.0	+3.5	-2.5	-0.5
CV11B200	5.0	20.0	500	B	-1.0	+3.5	-2.5	-0.5
CV11C300	4.0	30.0	500	C	-1.0	+6.5	-4.0	-1.0
CV11C450	7.0	45.0	500	C	-1.0	+6.5	-4.0	-1.0
CV11D060	2.0	6.0	500	D	+1.5	+8.2	-5.0	-1.5
CV11D300	4.0	30.0	500	D	+1.5	+8.2	-5.0	-1.5
CV11D450	7.0	45.0	500	D	+1.5	+8.2	-5.0	-1.5

Torque: Not less than 4 ounce-inches nor more than 24 ounce-inches.

Fatigue:

Torque: Not less than 4 ounce-inches nor more than 36 ounce-inches.

Moisture resistance:

Capacitance change: Shall not change more than ± 10 percent of initial value or 0.5 pF, whichever is greater.

Changes from previous issue: The margins of this specification are marked with vertical lines to indicate where changes from 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:

Army - CR
Navy - EC
Air Force - 85
DLA - CC

Preparing activity:

DLA - CC

(Project 5910-2025-028)

Review activities:

Army - AR, MI
Air Force – 19

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/>.