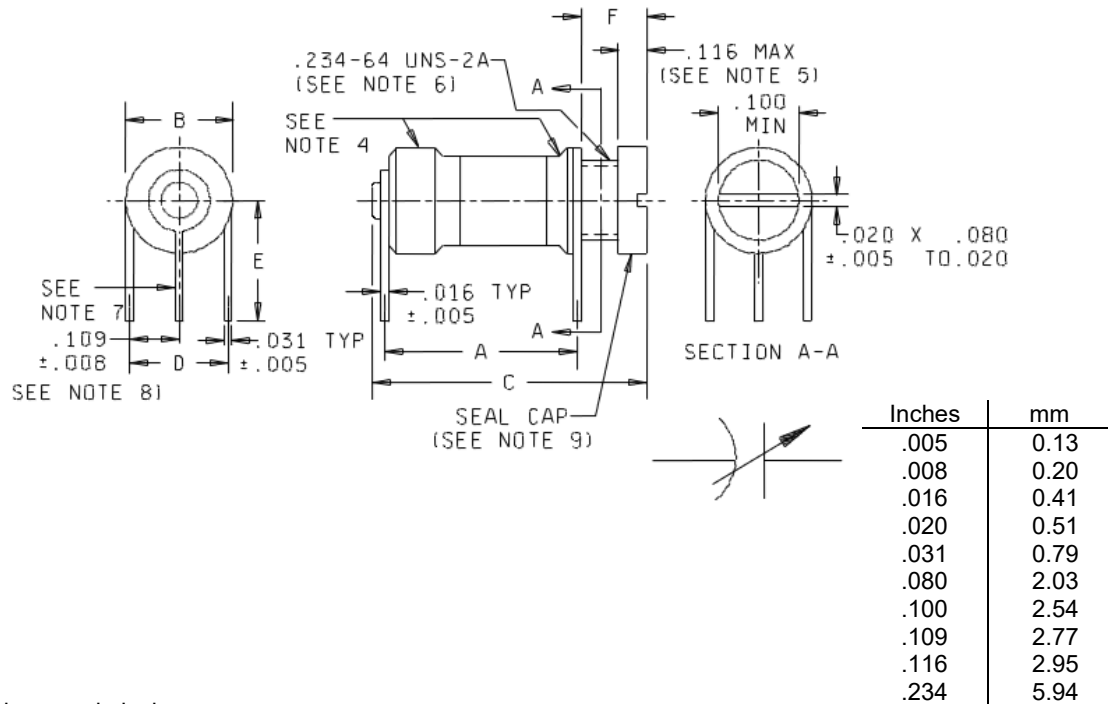


PERFORMANCE SPECIFICATION SHEET

CAPACITOR, VARIABLE (PISTON TYPE, TUBULAR TRIMMER), STYLES PC26

This specification sheet is approved for use by all Departments
and Agencies of the Department of Defense.

The requirements for acquiring the capacitors described herein shall consist
of this specification sheet and [MIL-PRF-14409](#).



NOTES:

1. Dimensions are in inches.
2. Metric equivalents are in millimeters and are given for general information only.
3. Unless otherwise specified, tolerance is $\pm .016$ inch (0.41 mm).
4. If solder is used, the soldering of the turret cap to the cylinder, and of the cylinder to the base and to the base leads shall be accomplished with a high temperature solder having a melting point of $+300^{\circ}\text{C} +50^{\circ}\text{C}, -5^{\circ}\text{C}$.
5. For PIN PC26J060, dimension shall be .094 inch $\pm .005$ inch (2.39 mm ± 0.13 mm).
6. For PIN PC26J060, thread shall be .190-64 UNS-2A.
7. For PIN PC26J300, two terminals shall be used of same size and length as front terminals.
8. For PIN PC26J060, dimension shall be .078 inch $\pm .008$ inch (1.95 mm ± 0.20 mm).
9. Seal cap shall be slotted.

FIGURE 1. Dimensions and configurations.

AMSC N/A

DISTRIBUTION STATEMENT A. Approved for public release. Distribution is unlimited.

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TABLE I. Capacitor characteristics.

Part or Identifying number (PIN)	Capacitance range		Q Min	Dimensions <u>1/</u>					
	Min (pF)	Max (pF)		A $\pm .025$ (0.64)	B Max	C Max	D	E	F
PC26J060	0.6	6.0	10,000	.266 (6.76)	.220 (5.59)	.541 (13.74)	.156 (3.96)	.250 (6.35)	.240 (6.10)
PC26T100	0.8	10.0	5,000	.297 (7.54)	.281 (7.14)	.578 (14.68)	.219 (5.56)	.312 (7.92)	.211 (5.36)
PC26J100	0.8	10.0	5,000	.297 (7.54)	.281 (7.14)	.578 (14.68)	.219 (5.56)	.312 (7.92)	.211 (5.36)
PC26T140	1.0	14.0	3,000	.297 (7.54)	.281 (7.14)	.578 (14.68)	.219 (5.56)	.500 (12.70)	.218 (5.54)
PC26J140	1.0	14.0	3,000	.297 (7.54)	.281 (7.14)	.578 (14.68)	.219 (5.56)	.500 (12.70)	.218 (5.54)
PC26T200	1.0	20.0	1,500	.562 (14.27)	.281 (7.14)	.801 (20.35)	.219 (5.56)	.500 (12.70)	.196 (4.98)
PC26J200	1.0	20.0	1,500	.562 (14.27)	.281 (7.14)	.801 (20.35)	.219 (5.56)	.500 (12.70)	.196 (4.98)
PC26J300	1.0	30.0	800	.750 (19.05)	.281 (7.14)	.969 (24.61)	.219 (5.56)	.500 (12.70)	.196 (4.98)

1/ Metric equivalents are shown in parentheses for information only.

REQUIREMENTS:

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

DC voltage rating: 250 volts.

Construction: Alumina ceramic.

Dielectric: Air.

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

Insulation resistance: Shall not be less than 1,000,000 megohms at room ambient temperature and not less than 100,000 megohms at +125°C.

Test condition: 250 volts $\pm$ 10 percent.

Quality factor (Q): See [table I](#).

Test frequency: 100 MHz $\pm$ 10 MHz.

Driving torque: Greater than or equal to 0.5 ounce-inch and less than or equal to 6.0 ounce-inches from -55°C through +125°C (characteristic J) or -65°C through +125°C (characteristic T). PIN PC26J060 shall be 0.4 ounce-inch to 4.0 ounce-inches.

Thermal shock: [MIL-STD-202-107](#), test condition B (characteristic T) or A (characteristic J), except the step 3 temperature shall be +125°C $\pm$ 5°C.

Immersion: [MIL-STD-202-104](#), test condition A.

Resistance to soldering heat: Applicable.

Seal: Applicable, with seal cap on.

Changes from previous issue: The margins of this specification 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 previous issue.

Referenced documents. In addition to [MIL-PRF-14409](#), this document references the following:

[MIL-STD-202-104](#)
[MIL-STD-202-107](#)

Custodians:
Army - CR
Navy - EC
Air Force – 85
DLA - CC

Preparing activity:
DLA - CC
(Project 5910-2026-011)

Review activities:
Navy - AS, MC

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 the ASSIST Online database at <https://assist.dla.mil/>.