INCH POUND
MIL-PRF-14409/13M
11 June 2010
SUPERSEDING
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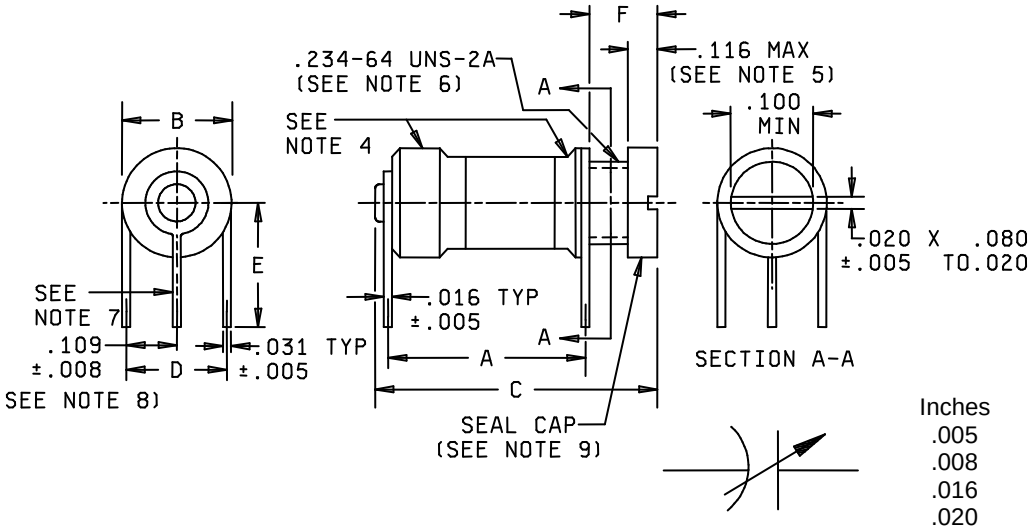
PERFORMANCE SPECIFICATION SHEET

CAPACITORS, 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.



Inches	mm
.005	0.13
.008	0.20
.016	0.41
.020	0.51
.031	0.79
.080	2.03
.100	2.54
.109	2.77
.116	2.95
.234	5.94

NOTES:
1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerance is ± .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°C +50°C, -5°C.
5. For PIN PC26J060, dimension shall be .094 ±.005 (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 ±.008 (1.95 ± 0.20 mm).
9. Seal cap shall be slotted.

FIGURE 1. Dimensions and configurations.

TABLE I. Capacitor characteristics.

Part or Identifying Number (PIN)	Capacitance range		Q Min	Dimensions 1/					
	Min	Max		A ± .025 (0.64)	B Max	C Max	D	E	F
	pF	pF							
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 ±10 percent.

Quality factor (Q): See table I.

Test frequency: 100 MHz ±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: Method 107 of MIL-STD-202, test condition B (characteristic T) or A (characteristic J), except the step 3 temperature shall be +125°C ±5°C.

Immersion: Method 104 of MIL-STD-202, test condition A.

Resistance to soldering heat: Applicable.

Seal: Applicable, with seal cap on.

Qualification inspection: Qualification inspection is not required. A manufacturer that is currently listed on the QPL for at least one other MIL-PRF-14409 style may supply PC26 parts by performing the group A and group B testing. A manufacturer that is not qualified to any MIL-PRF-14409 styles may produce these parts by performing the group A, group B, and group C testing on the product before delivery.

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 last previous issue.

Referenced documents. In addition to MIL-PRF-14409, this document references MIL-STD-202.

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

Review activities:
Navy - AS, MC, OS
Air Force - 99

Preparing activity:
DLA - CC

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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.daps.dla.mil/.