

PERFORMANCE SPECIFICATION SHEET

CAPACITORS, VARIABLE (PISTON TYPE,  
TUBULAR TRIMMER), STYLES PC30, PC32, PC34

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 document and the latest issue of specification MIL-PRF-14409.

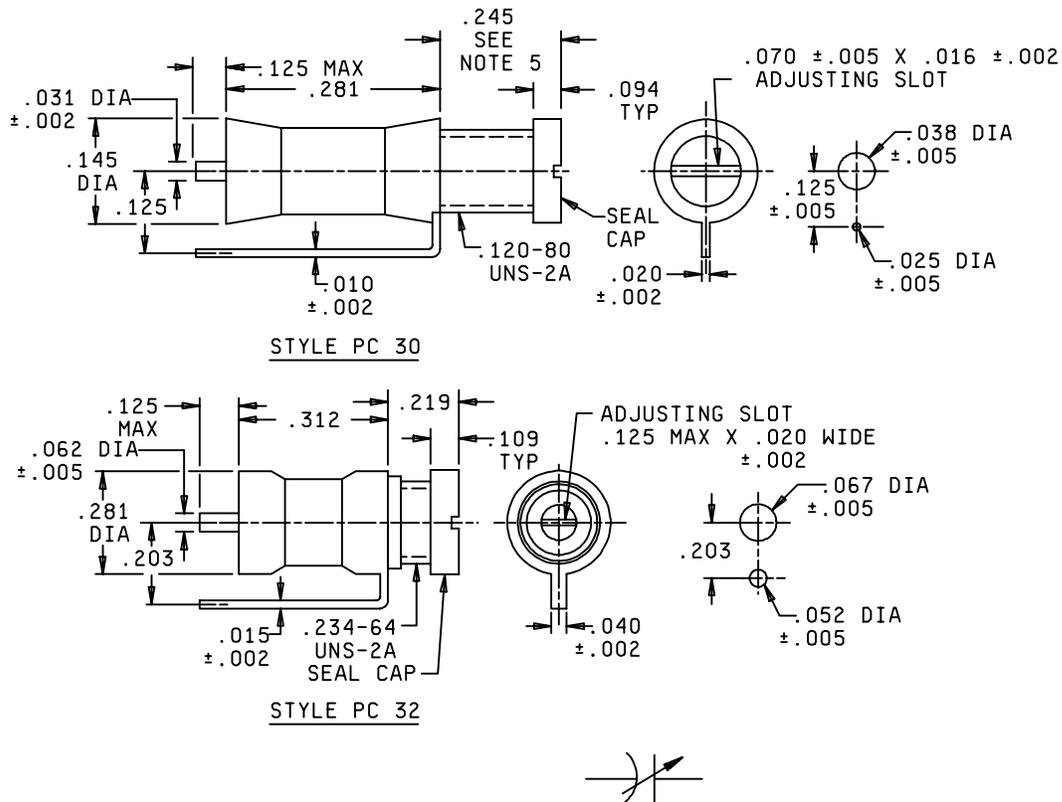
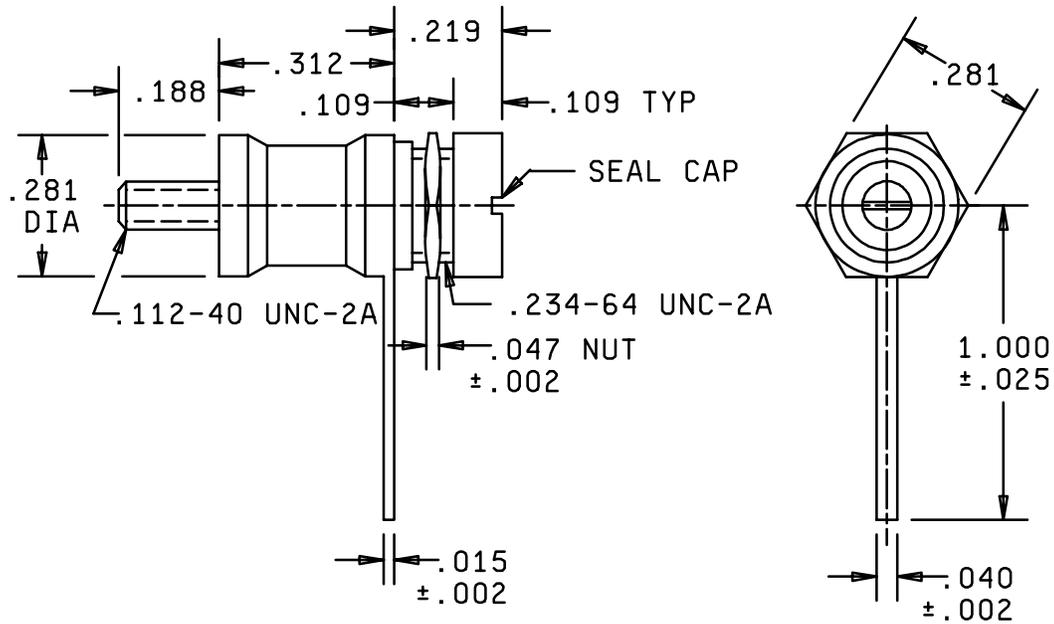


FIGURE 1. Dimensions and configuration.



STYLE PC 34

Inches	mm	Inches	mm	Inches	mm	Inches	mm
.002	0.05	.038	0.97	.093	2.36	.203	5.17
.005	0.13	.040	1.02	.109	2.77	.214	5.44
.010	0.25	.047	1.19	.112	2.84	.219	5.56
.015	0.38	.052	1.32	.120	3.05	.234	5.94
.016	0.41	.062	1.57	.125	3.18	.245	6.22
.020	0.51	.067	1.70	.145	3.68	.281	7.14
.025	0.64	.070	1.78	.156	3.96	.312	7.92
.031	0.79	.078	1.98	.188	4.78	1.000	25.40

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerance is  $\pm .016$  inch (0.41 mm).
4. Seal cap shall be slotted.
5. For type PC30J5R0, this dimension shall be .280 (7.11).

FIGURE 1. Dimensions and configurations - Continued.

MIL-PRF-14409/15G

REQUIREMENTS:

Dimensions and configuration: See figure 1.

DC voltage rating: 250 volts.

Construction: Alumina ceramic.

Dielectric: Air.

Capacitance range: See table I.

Insulation resistance: Shall be not 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 (measured at frequency of 100 MHz  $\pm$ 10 MHz).

Driving torque:

Style PC30 - greater than or equal to 0.3 and less than or equal to 5 ounce-inches from -55°C to +125°C

Style PC32 and PC34 - greater than or equal to 0.5 and less than or equal to 5 ounce-inches from -65°C to +125°C.

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  $\pm$ 5°C.

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

Seal: Applicable, with seal cap on.

TABLE I. Type designation and characteristics.

Type designation	Capacitance range		Q minimum
	Min	Max	
PC30J3R5	0.6 pF	3.5 pF	10,000
PC30J5R0	0.6	5.0	7,500
PC32T140	1.5	14.0	3,000
PC34T100	0.8	10.0	2,000

MIL-PRF-14409/15G

Custodians:

Army - CR  
Navy - EC  
Air Force - 11

Preparing activity:

DLA - CC

Review activities:

Navy - AS, MC, OS

(Project 5910-2111-12)