

# 0.2 TO 1.0 pF "K" Series - Air Trimmer Capacitors

Specifically Designed for 800 MHz to 4.0 GHz Band

## THE ONLY INTERNALLY SEALED AIR TRIMMER

These low value concentric ring air trimmer capacitors are designed for use in the 800 MHz to 4.0 GHz band. The unique internal O-ring seal makes wave soldering and vapor degreasing possible without the need to attach a separate cap.

Other features include:

- Ten full linear turns
- Internal stops
- Extreme stability under shock & vibration
- Screw head does not move in and out
- Extended shaft option of metal or plastic
- Long life with no dynamic tuning noise



U.S. Patent No. 3,483,450

### NOTE:

1. All parts shown here can be ordered as non-magnetic:  
Add "NM" to Part Number, i.e., NMKT1
2. A vertical surface mount version is not shown because the top lead will add .2-.4 pF. However, this part can be ordered as KM1.

## GENERAL SPECIFICATIONS

	"K" SERIES
DC Working Voltage	250
DC Withstanding Voltage	500
Q(min) at 1GHz	780
Temperature Coefficient	0±300 ppm/°C
Operating Temperature	-65°C to +125°C
Insulation Resistance	10 <sup>8</sup> megohms
Seal	40 pounds / in <sup>2</sup>
Rotational Life	10,000 turns
Torque	0.5-5.0 in-oz
Vibration	50g, 10-2000 Hz
Shock	1500g, 0.5 millisecs.
Drawing tolerances where not specified	XXX ± .005 XX ± .016

Part Number	Capacitance (pF)	
	From Below	To Above
KJ1	0.2	1.0
KP1		
KT1		

FIG. 1  
FIG. 2  
FIG. 3

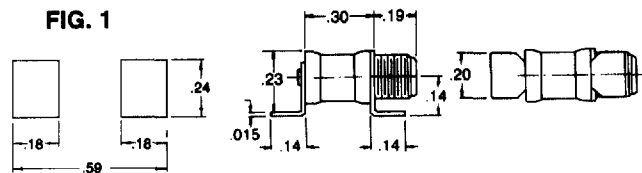


FIG. 2

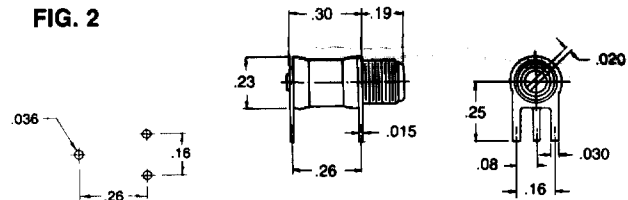
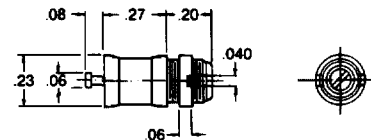


FIG. 3



\*VOLCS002\*

IN	MM	IN	MM	IN	MM
0.015	0.38	0.140	3.56	0.250	6.35
0.020	0.51	0.160	4.06	0.260	6.60
0.030	0.76	0.180	4.57	0.270	6.86
0.036	0.91	0.190	4.83	0.300	7.62
0.040	1.02	0.200	5.08	0.590	14.98
0.060	1.52	0.230	5.84		
0.080	2.03	0.240	6.10		

Recommended Tuning Tool: TT-100 or TT-500

NOTE: All bushing threads are .190"-64