

Seal-Trim® Trimmer Capacitors

The Seal-Trim® is a high performance Thin-Trim® trimmer ceramic capacitor encapsulated in a polymer housing. This design resists intrusion of dirt, dust, solder flux and cleaning agents during assembly and atmospheric contamination during use. These capacitors offer low drift rates and high Q, making them ideal for higher frequency applications beyond the limits of ordinary ceramic trimmer capacitors. The incorporation of the Johanson square drive tuning mechanism insures captive non-slip, tamper-proof adjustments which are not subject to backlash problems associated with screwdriver type adjustment slots.

Characteristics

- Rated voltage:
250 VDC (test voltage 500 VDC) for 9610 & 9620
400 VDC (test voltage 800 VDC) for 9694
- Insulation resistance: $>10^4$ meg Ω
- Operating temperature range: -55°C to $+125^\circ\text{C}$
- Torque: 0.2 to 2.0 for 9610, 9694
0.05 to 1.0 for 9620
- Vibration: 15 g, 10-2000 Hz, MIL-STD-202, Method 204
- Shock: 100 g, 6 milliseconds, MIL-STD-202, Method 213
- Setting drift: $<1\%$; $<2\%$ for 9616, 9694
- Moisture resistance: MIL-STD-202, Method 106
- Resistant to soldering heat: MIL-STD-202, Method 210, Test C
- Solderability: MIL-STD-202, Method 208
- Resistant to cleaning solvents: MIL-STD-202, Method 215
- Conforms with specification MIL-C-81

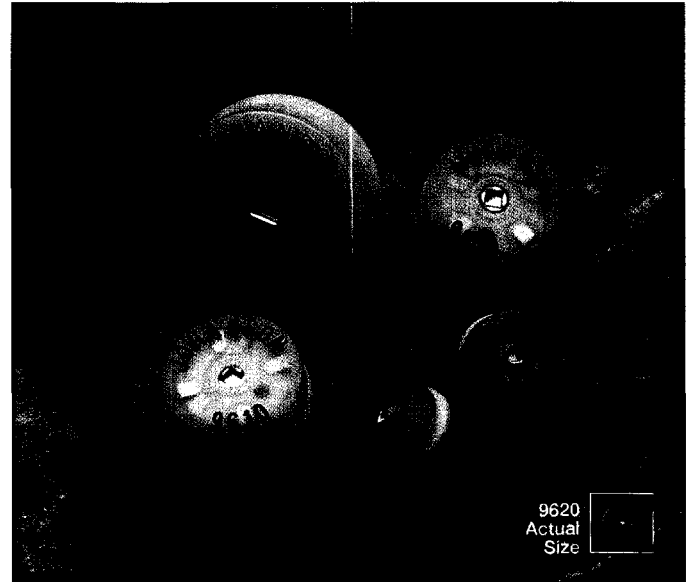
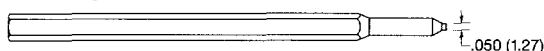
JMC Tuning Tool 4193 for 9610



JMC Tuning Tool 4192 for 9620



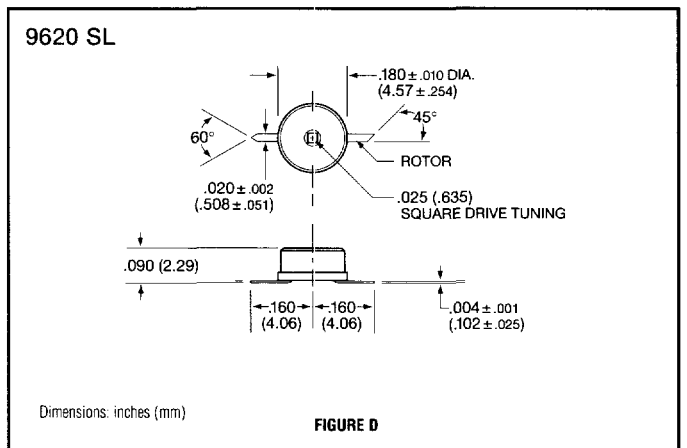
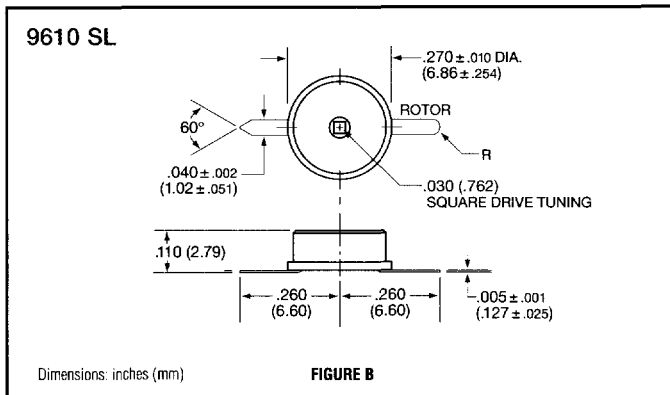
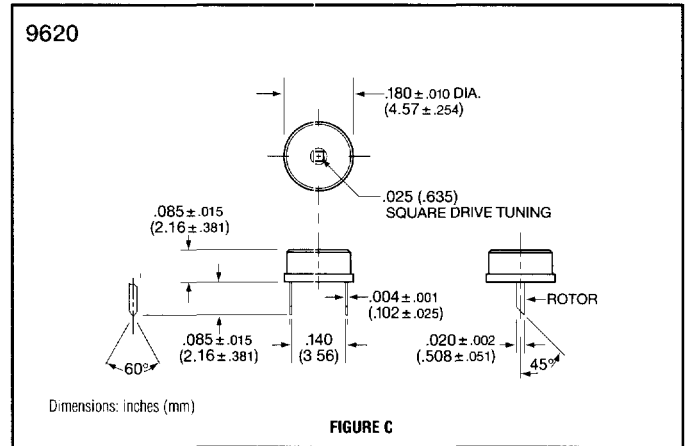
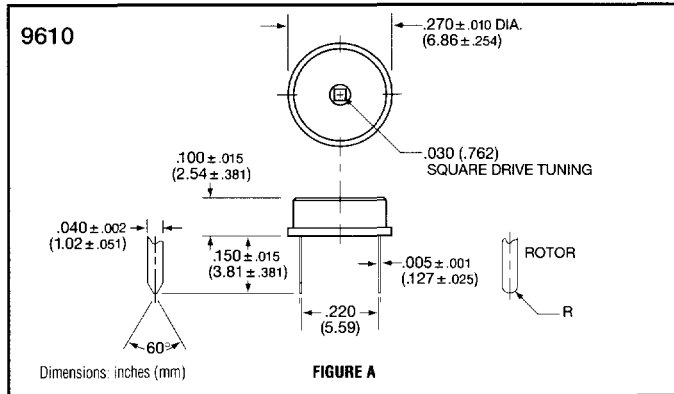
JMC Tuning Tool 2190 for 9690



Specifications

JMC P/N	MIL-SPEC P/N	RANGE μF	TC PPM/ $^\circ\text{C}$	MIN. Q @ 100 MHz	DRAWING FIGURE
9610	-	1.0 to 4.5	50 \pm 150	>1000	A
9610CV	CV99L4R5				B
9610SL	-				B
9610SLCV	CV99L4R5SL				B
9611	-	2.5 to 10.0	-100 \pm 500	>1000	A
9611CV	CV99M100				A
9611SL	-				B
9611SLCV	CV99M100SL				B
9612	-	4.0 to 18.0	-300 \pm 800	>700	A
9612CV	CV99N180				A
9612SL	-				B
9612SLCV	CV99N180SL				B
9613	-	6.0 to 35.0	-1500 \pm 900	>200	A
9613CV	CV99Q350				A
9613SL	-				B
9613SLCV	CV99Q350SL				B
9614	-	7.0 to 40.0	-1500 \pm 900	>200	A
9614CV	CV99Q400				A
9614SL	-				B
9614SLCV	CV99Q400SL				B
9615	-	5.0 to 25.0	-400 \pm 500	>200	A
9615CV	CV99P250				A
9615SL	-				B
9615SLCV	CV99P250SL				B
9616	-	8.0 to 50.0	-1500 \pm 900	>200	A
9616CV	CV99Q500				A
9616SL	-				B
9616SLCV	CV99Q500SL				B

Suffix **CV** designates MIL-SPEC products.



Specifications

JMC P/N	MIL-SPEC P/N	RANGE pF	TC PPM/°C	MIN. Q @ 100 MHz	DRAWING FIGURE
9620	-	0.5 to 2.5	100±150	> 1000	C
9620CV	CV98F2R5				C
9620SL	-				D
9620SLCV	CV98F2R5SL	1.0 to 5.0	0±400	> 1000	D
9621	-				C
9621CV	CV98W5R0				C
9621SL	-	2.5 to 10.0	100±600	> 1000	D
9621SLCV	CV98W5R0SL				D
9622	-				C
9622CV	CV98H100	6.0 to 25.0	-1500±900	> 300	C
9622SL	-				D
9622SLCV	CV98H100SL				D
9626	-	5.0 to 15.0	-300±300	> 750	C
9626CV	CV98Q250				C
9626SL	-				D
9626SLCV	CV98Q250SL	5.0 to 20.0	-450±300	> 500	D
9628	-				C
9628CV	CV98J150				C
9628SL	-	7.5 to 50.0	-1500±900	> 1000 @ 1 MHz	D
9629	-				C
9629CV	CV98K200				C
9629SL	-				D
9694	-				E

