

Giga-Trim® Handling Instruction

Mounting

Thru-Hole Capacitor: Giga-Trim® capacitors with leads for PC board mounting may be lightly clinched after assembly to board, to help retain them.

Soldering

The use of 60-40 solder (SN60-63) is recommended. The use of higher temperature solder is not recommended.

Hand Soldering: Use a temperature controlled 40 watt iron set @ 500°F maximum. The solder joint should be made in 3 seconds or less.

Wave Soldering: Recommended preheat is 1 to 2 minutes. Soldering temperature, 220°C for 5 seconds maximum.

Reflow Soldering: Recommended preheat is 1 to 2 minutes. Soldering temperature, 240°C for 20 seconds maximum.

Cleaning

Giga-Trim® capacitors are compatible with a wide variety of cleaning processes including those that utilize aqueous or semi-aqueous cleaning solutions, alcohol solutions, de-ionized water and numerous other cleaners. However, due to the large variety of such processes, the customer through cleaning process evaluation in conjunction with Johanson product purchased must determine actual compatibility. Capacitors without seal caps should be protected from intrusion of cleaning solutions on the internal bushing thread. It is recommended these units be installed after circuit boards have been cleaned. Units with seal caps may be immersed in liquid, vapor, and ultrasonic cleaning systems.

Adjusting

The plastic seal caps available are designed so that, after assembly is complete they may be penetrated by the Johanson tuning tool and left in place or may be removed and discarded before adjustment.

The tuning torque range is specified for each type of capacitor. The maximum specified value should not be exceeded or damage to the capacitor may result.

Always use the recommended tuning tool. Johanson tuning tools are designed specifically for tuning Johanson products; use of other tools, particularly metal screwdrivers, may damage the internal bushing thread causing rotor binding.

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