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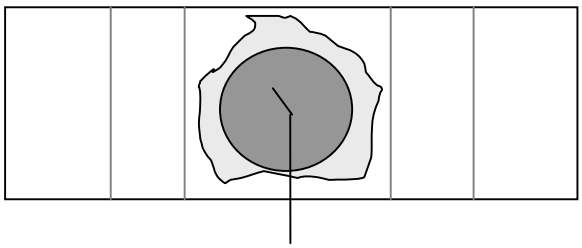
DEM PTCSK

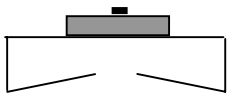
The PTCSK is a kit containing a PTC-60 positive temperature coefficient Thermistor and a brass clamp that allows attachment of the PTC to a HC-49 size crystal with out soldering or heating of the crystal. All soldering is completed before installing on the crystal. The PTC is soldered to the brass before forming it in to a friction clamp. The brass is laser etched for easy forming. Follow the simple instructions and pictorials below.

1. Remove one lead from the Thermistor with a soldering iron. Do not use excessive heat but do it as quickly as possible. Save the removed lead.

2. Position the brass flat on workbench with the laser cut marks facing you. Tin-plate the middle section of the brass indicated with the laser cuts with solder. While the brass is still warm, attach the Thermistor to the tinned area. Position the existing lead to exit away from the brass at the narrowest dimension of the brass.



3. Shape the brass into a clamp by bending it away from the Thermistor to simulate the figure below. Do not bend the tabs excessively. One shot would be best! Many re-shapings will cause the brass to fatigue and break off.



4. Tin-solder the laser edges to add strength to the clamp. Check for fit on crystal. If too loose, bend to snug fit.

5. Attach saved wire to clamp with solder. After crystal is installed, install clamp and attach Thermistor to Voltage and Ground.