

## Soldering Tip Heater Options

With hand soldering, the task is to make a quality solder connection, without damaging the substrate and without negatively impacting throughput. All of the standard MFR Series power tips & rework cartridges are designed for use with glass fiber (FR4) PCB substrates. This is denoted by the second letter in the part number: "F". For example: SFP-CH10, DFP-CN3, and SFV-CNL10.

However, some specialist applications require working with thermally demanding or temperature sensitive substrates, such as ceramic hybrids or flexible circuits. OK International has developed specialty heaters that quickly deliver the necessary power, but operate at temperatures that minimize the risk of substrate damage. These are denoted by replacing the "F" in the part number with a "T" for temperature sensitive or a "C" for demanding loads. Please contact your local representative for information and availability of specialty tip heaters. For example: STP-CH10 and DCP-CN3.

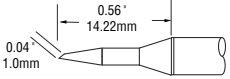
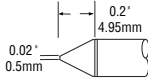
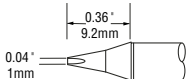
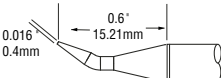
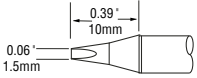
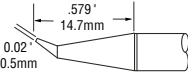
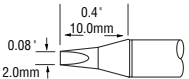
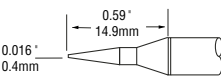
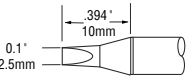
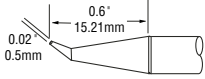
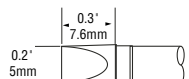

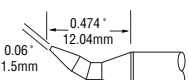

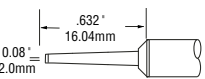
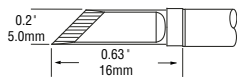
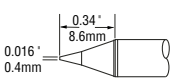
**F** = Standard FR4 Substrate

**T** = Temperature Sensitive

**C** = Ceramic or Heavy Load

## Standard Soldering Tip Cartridges

The Standard Soldering Tip Cartridges are used with the MFR-HSR Soldering & Rework Hand-piece and have been designed to deliver outstanding performance for the majority of point-to-point soldering and basic rework applications. The geometries within the range have been optimized to deliver maximum accessibility combined with optimal thermal efficiency within a narrow cartridge diameter.

|   |  |  |   |
|---|--|--|---|
|    | <b>SFP-BVL10</b><br>Bevel Cartridge,<br>60° 1.0mm (.04")             |    | <b>SFP-CN05</b><br>Conical Cartridge,<br>0.5mm (.02")               |
|   | <b>SFP-CH10</b><br>Chisel Cartridge,<br>30° 1.0mm (.04")             |   | <b>SFP-CNB04</b><br>Conical Cartridge Bent,<br>0.4mm (.016")        |
|  | <b>SFP-CH15</b><br>Chisel Cartridge,<br>30° 1.5mm (.06")             |  | <b>SFP-CNB05</b><br>Conical Cartridge Bent,<br>0.5mm (.02")         |
|  | <b>SFP-CH20</b><br>Chisel Cartridge,<br>30° 2.0mm (.08")             |  | <b>SFP-CNL04</b><br>Conical Cartridge Long Reach,<br>0.4mm (.016")  |
|  | <b>SFP-CH25</b><br>Chisel Cartridge,<br>30° 2.5mm (.10")             |  | <b>SFP-DRH05</b><br>Drag Soldering Cartridge, Hoof<br>0.5mm (.02")  |
|  | <b>SFP-CH50</b><br>Chisel Cartridge,<br>30° 5.0mm (.20")             |  | <b>SFP-DRH15</b><br>Drag Soldering Cartridge, Hoof<br>1.5mm (.06")  |
|  | <b>SFP-CHB15</b><br>Chisel Cartridge,<br>30° Bent 1.5mm (.06")       |  | <b>SFP-DRH35</b><br>Drag Soldering Cartridge, Hoof<br>3.5mm (.14")  |
|  | <b>SFP-CHL20</b><br>Chisel Cartridge,<br>60° Long Reach 2.0mm (.08") |  | <b>SFP-DRK50</b><br>Drag Soldering Cartridge, Knife<br>5.0mm (.20") |
|  | <b>SFP-CN04</b><br>Conical Cartridge,<br>0.4mm (.016")               |  |   |

To order specialty versions of the Soldering Tip Cartridges replace the "F" in the part number with the appropriate letter designate for your application when ordering: **T** = Temperature Sensitive, **C** = Ceramic or Heavy Load

Dimensions and artwork listed are for indication/guidance only. Numbers have been rounded up.

Please contact your local technical support if you require specific technical information.