

Ceramic Insulated Channel Strip Heaters

Channel Strip Heaters have proven to be extremely efficient and dependable as a heat source for surface heating in hundreds of industrial and commercial applications.

For surface mounting installations, Channel Strip heaters must be securely clamped along their entire length to a smooth metal surface. When supported by mounting tabs, the terminal end should be secured firmly. Opposite end should be loose to allow for thermal expansion.

TEMPCO offers Channel Strip Heaters in three rectangular sizes

1" WIDE BY 5/16" THICK

Available with or without mounting tabs. When supplied with Type L lead wire termination, mounting tabs are not available.

1-1/2" WIDE BY 5/16" THICK

Available with or without mounting tabs. When supplied with Type L lead wire termination, mounting tabs are not available.

1-1/2" WIDE BY 3/8" THICK

Available with or without mounting tabs. When supplied with Type L lead wire termination, mounting tabs are not available. (3/8" thick heaters have radius corners)



Standard Specifications and Tolerances of Channel Strip Heaters
If tighter tolerances are required, consult Tempco.

PERFORMANCE RATINGS

- Maximum Sheath Temperature:** 1200°F (650°C)
- Nominal Watt Density:** 20 W/in² (3.1 W/cm²)
- Maximum Watt Density:** 45 W/in² (dependent on design parameters)

ELECTRICAL SPECIFICATIONS

- Maximum Voltage:** 480VAC (dependent on design parameters)
- Voltage Options:** Single-Phase, Three-Phase or Dual Voltage
- Maximum Recommended Voltage with Leads:** 480V
- Maximum Amperage:** Lead Wire Termination: 10 amp
Screw Terminations: 10-32UNF—25 amp
- Resistance Tolerance:** +10%, -5%
- Wattage Tolerance:** +5%, -10%

PHYSICAL SIZE CONSTRUCTION LIMITATIONS

- Width**
- 1" and 1-1/2" wide heaters +.000, -.010"
- Length**
- Up to 24" ±1/16"
- Over 24" ±1/8"
- Mounting Slot Size**
- Standard 5/16" × 1/2"
- Special Bushings 1/2" × 5/8"