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.

**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"

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