Specifications & Tolerances

Strip Heaters

Standard Specifications and Tolerances of Maxistrip Heaters.

If tighter tolerances are required, consult Tempco.

PERFORMANCE RATINGS

Maximum Sheath Temperature: 650°F (343°C)
Maximum Watt Density: 20 W/in² (3.1 W/cm²)

ELECTRICAL SPECIFICATIONS

Maximum Voltage: 277VAC
Maximum Recommended Voltage w/ Leads: 240VAC
Maximum Watts: Dependent on width and length
Maximum Amperage: 25 Amps
Resistance Tolerance: +10%, −5%
Wattage Tolerance: +5%, −10%

PHYSICAL SIZE CONSTRUCTION LIMITATIONS

Widths: 1-1/2" (38.1 mm), 2-1/2" (63.5 mm), 3" (76.2 mm), 4" (101.6 mm)
Thickness: 1/2" (12.7 mm)

Abrasion Resistant Terminations

Wire braid provides strength and protection to the lead wire insulation, offering sharp bending not possible with armor cable. 20" of wire braid and 24" flexible leads are standard. Options: Longer leads or braid. Male or female plugs attached to leads.

Mounting Holes can be located only along the phantom lines between the holes shown on these drawings.

Standard Hole Diameter: 5/16"
Maximum Hole Diameter: 1/2" (center of width only)

Screw Terminals

Type S
Terminal Lugs
Terminal lugs with 10-32 binding head screws are the standard termination for all Maxistrip heaters.

Type T1
Straight Terminals
Straight outward screw terminals with 8-32 threads.

Type R
90° Blockhead Terminals
90° Blockhead Terminals with 10-32 threads. Special design can switch between 1800W and 900W at 240V.

Type W1
Straight Wire Braid Leads

Type W2
Straight-Up Wire Braid Leads

Special Widths

By combining one or more standard width (1-1/2", 2-1/2", 3" and 4") aluminum strip heater channels, wider surface areas can be developed. Consult Tempco with your requirements.