

264M-BB-9W4 TEC High Power LaserMount



- Metric
- Bread board cold plate
- TEC controlled
- 30W capacity at 25°C

Bread Board Cold Plate

Using a bread board hole pattern found on optical tables, the 264M-BB-9W4 provides a grid of threaded metric (M2.5) holes for maximum flexibility in mounting your thermal load. Be it a laser device, optic platform, or other application, the bread board configuration gives you excellent long term flexibility in how to mount your loads.

Device Cover

Beyond the mount itself, the 264 works with our optional device cover:



The **260-C** cover enhances the stability of the laser by minimizing the impact of ambient air currents.

Active Cooling

The 264 TEC LaserMount was designed for high power devices needing active temperature control. With its large heat sink and integrated fan, the 264 can handle high thermal loads and broad temperature ranges.

High Power 9W4 Connector

The 264-BB-9W4 comes with a high power 9W4 laser connector designed for up to 20A operation. This connector is compatible with the 1228-20 cable and our high power laser drivers, such as the 4320, which use the 9W4 output connector.

Thermistor Control

The 264 uses a 10K thermistor for temperature feedback.

Specifications

| | |
|--------------------------------|--|
| Laser Package Supported | Various, contact factory |
| Thermal Capacity | 30W At 0°C delta from ambient, 25°C ambient temperature |
| Cold plate | 2.2" x 2.7" solid copper, nickel plated M2.5 threaded holes on 6.25mm centers |
| Input connectors | |
| Laser Diode | 9W4, male |
| Mount TEC | DB-15, male |
| Temperature Control | |
| Temperature Range (°C) | +15 to +85 |
| Sensor Type | 10kΩ Thermistor |
| TE Module I _{max} (A) | 7.4 |
| TE Module V _{max} (V) | 16.4 |
| TE Module Q _{max} (W) | 78 |
| General | |
| Size (H x W x D) [in(mm)] | 3.0 (76.2) x 4.5 (114.3) x 6.0 (152.4) |
| Mounting holes | ¼-20 x 4 |