

740 Series Telecom Laser Diode Mounts



Laser diodes not included

- Compatible with DIL and butterfly packages
- Easy to configure for different pin-outs
- Highly stable temperature control
- Very efficient heat transfer increases laser diode lifetime
- Compact, lightweight package for OEM applications

The 740 Series Telecom Laser Diode Mounts provide highly stable temperature control for all telecommunications laser diodes.

They offer an easy-to-use platform; for use in telecommunications, biomedical, and spectroscopy applications; and are simple to configure for all laser diode/photodiode/thermoelectric cooler/thermistor arrangements. This substantially reduces setup time.

All DIL and butterfly laser packages can be mounted on the 740 Series. For higher power butterfly packages without integral TE coolers, the Model 744-TEC offers a TE cooler and both thermistor and AD592CN sensors.

Specifications

Laser Diode Packages

Styles Supported	DIL (Model 742) Butterfly (Model 744)
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Laser Housing

Mounting Plates	DIL ZIF socket (Model 742) Butterfly flatpack socket (Model 744)
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(Model 744-TEC only)	One 16.6 W, 15 mm by 30 mm, 7.6 V at 3.9 A maximum
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Connectors	15-pin male D-sub, laser temperature control; 9-pin male D-sub, laser diode current control
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Laser Temperature Control

Temperature Range (°C)	0 to 80
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Sensor Type (Model 744-TEC only)	10 kΩ thermistor and AD592CN
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General

Size (H x W x D) [in. (mm)]	1.25 (32) x 3.75 (95) x 5.5 (140)
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Weight [lb (kg)]	1 (0.45)
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Ordering Information

Model	Description
742	DIL Telecom Laser Diode Mount
744	Butterfly Telecom Laser Diode Mount
744-TEC	Butterfly Telecom Laser Diode Mount with TE cooler, thermistor, and AD592CN temperature sensor