

## 50mm Dia. Broadband IR Laser Mirror



Stock **#33-001** **7 In Stock**

A\$772.<sup>80</sup>

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Volume Pricing	
Qty 1-5	A\$772.80 each
Qty 6-24	A\$678.40 each
Qty 25+	A\$625.60 each
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### Product Downloads

#### General

Laser Mirror Type:

#### Physical & Mechanical Properties

<3 Parallelism (arcmin):

90 Clear Aperture (%):

50.00 +0.00/-0.12 **Diameter (mm):**

10.00 ±0.15 **Thickness (mm):**

<50 RMS **Surface Roughness (□):**

## Optical Properties

20-10 **Surface Quality:**

$R_{avg} > 98.8\%$  @ 2 - 20 $\mu$ m **Coating Specification:**

2000 - 20000 **Wavelength Range (nm):**

$\lambda/20$  @ 10.6 $\mu$ m **Surface Flatness (P-V):**

Metal **Coating Type:**

Bare Gold **Coating:**

Copper **Substrate:** □

Typical: 50 kW/cm<sup>2</sup> **Damage Threshold, By Design:** □

## Regulatory Compliance

[Compliant](#) **RoHS 2015:**

[View](#) **Certificate of Conformance:**

[Compliant](#) **REACH 241:**

## Product Details

- Greater than 98% Reflectivity from 2 - 20 $\mu$ m
- Copper Substrate Mirrors
- High Damage Thresholds

Broadband IR Laser Mirrors are ideal for demanding infrared laser applications such as those utilizing quantum cascade or CO<sub>2</sub> lasers. Broadband IR Laser Mirrors utilize a copper substrate to significantly increase the laser damage threshold and to dissipate the excess heat generated from high power infrared lasers. Because copper mirrors adequately dissipate excess heat, they feature superior mechanical stability than other substrates.

## Compatible Mounts