

50mm Dia. Broadband IR Laser Mirror



Stock #33-001 [CONTACT US](#)

- 1 + £386⁴⁰

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Volume Pricing	
Qty 1-5	£386.40 each
Qty 6-24	£339.20 each
Qty 25+	£312.80 each
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! Prices shown are exclusive of VAT/local taxes

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 - 20µm	Coating Specification:
2000 - 20000	Wavelength Range (nm):
λ/20 @ 10.6µm	Surface Flatness (P-V):
Metal	Coating Type:
Bare Gold	Coating:
Copper	Substrate: □
Typical: 50 kW/cm ²	Damage Threshold, By Design: □

Regulatory Compliance

Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	REACH 241:

Product Details

- Greater than 98% Reflectivity from 2 - 20µm
- Copper Substrate Mirrors
- High Damage Thresholds

Broadband IR Laser Mirrors are ideal for demanding infrared laser applications such as those utilizing quantum cascade or CO₂ 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