

20mm Dia x 80mm Focal Length, Spherical Mirror



Stock #46-239 **4 In Stock**

- 1 + £42.⁰⁰

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Volume Pricing

Qty 1-49	£42.80 each
Qty 50-99	£39.20 each
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i Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Spherical Mirror **Type:**

Physical & Mechanical Properties

20.00 +0.00/-0.30 **Diameter (mm):**

Ground **Back Surface:**

Center Thickness CT (mm):

3.00

Center Thickness Tolerance (mm):

±0.30

Edge Thickness ET (mm):

3.31

Edges:

Ground

Radius R (mm):

160.0

Optical Properties

Coating Type:

Metal

Coating:

Protected Aluminum (400-2000nm)

Wavelength Range (nm):

400 - 2000

Effective Focal Length EFL (mm):

80.00

Substrate:

N-BK7

Aperture (f/#):

f/4

Coating Specification:

R_{avg} >85% @ 400 - 700nm
R_{avg} >90% @ 400 - 2000nm

Focal Length Tolerance (%):

±2

Surface Accuracy:

λ/4

Surface Quality:

60-40

Radius of Curvature (mm):

160.00

Regulatory Compliance

RoHS 2015:

[Compliant](#)

Certificate of Conformance:

[View](#)

Reach 247:

[Compliant](#)

Product Details

- Aluminum Coating
- Ideal for UV, Visible, and IR Applications
- Multiple Diameter and f/# Combinations Available

λ/4 Spherical Mirrors have flat rear surfaces and aluminum coated spherical front surfaces. These mirrors are ideal for applications in UV, VIS, and IR wavelength ranges.

Technical Information

