

TECHSPEC[®] 3" Dia, 18" FL 750-1100nm, Spherical Mirror



Stock **#73-030** 2 In Stock

-

1

+

S\$600⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-5	S\$600.60 each
Qty 6-24	S\$478.80 each
Need More?	Request Quote

Product Downloads

SPECIFICATIONS

General

Spherical Mirror

Type:

Physical & Mechanical Properties	
76.20 +1.0/-0	Diameter (mm):
Ground	Back Surface:
3.0	Diameter (inches):
+0.04/-0	Diameter Tolerance (inches):
0.50	Edge Thickness ET (inches):
12.70	Edge Thickness ET (mm):
+0.0/-15	Edge Thickness Tolerance (%):
Optical Properties	
Dielectric	Coating Type:
Dielectric Mirror (750-1100nm)	Coating:
750 - 1100	Wavelength Range (nm):
457.20	Effective Focal Length EFL (mm):
BOROFLOAT®	Substrate: ☐
f/6	Aperture (f/#):
R _{avg} >98% @ 750 - 1100nm (0 - 45°) R _{avg} >99% @ 750 - 1100nm (0°)	Coating Specification:
18.00	Effective Focal Length EFL (inches):
±2	Focal Length Tolerance (%):
λ/4	Surface Accuracy:
60-40	Surface Quality:
1 J/cm² @ 1064nm, 20ns, 20Hz	Damage Threshold, By Design: ☐
Regulatory Compliance	
View	Certificate of Conformance:

PRODUCT DETAILS

- Ideal for Multispectral Focusing Applications
- Average Reflectivity >99% Over Broad UV, Visible, and NIR Wavelengths
- Multiple Sizes Available

TECHSPEC® Broadband Dielectric Spherical Mirrors are ideal for light collection in multispectral imaging applications. These mirrors feature greater than 99% reflection, significantly better than metal-coated mirrors, and increase system performance by minimizing energy loss. A BOROFLOAT® substrate provides a good combination of performance and value. TECHSPEC® Broadband Dielectric Spherical Mirrors are available in diameters ranging from 25.4 to 152.4mm for ease of system integration. These mirrors collect and focus light without introducing chromatic aberration.

TECHNICAL INFORMATION

