

TECHSPEC®

800-1150nm, 50.8mm Dia. x 50mm EFL, Ultrafast-Enhanced Silver Concave Mirror



TECHSPEC® Ultrafast-Enhanced Silver Concave Laser Mirrors

Stock #17-273 3-4 DAYS



1



€253,00

ADD TO CART

Qty 1-5

€253,00

Qty 6+

€224,00

Volume Pricing

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Substrate: ☐ [Fused Silica](#) (Coming 7980)

Surface Quality:  
20-10

Diameter (mm):

|                                                                                                                                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 50.80 +0.00/-0.2                                                                                                                                                                                 |
| <b>Effective Focal Length EFL (mm):</b><br>50.00                                                                                                                                                 |
| <b>Radius of Curvature (mm):</b><br>100.00                                                                                                                                                       |
| <b>Coating:</b><br>Ultrafast-Enhanced Silver (800-1150nm)                                                                                                                                        |
| <b>Coating Specification:</b><br>R <sub>avg</sub> >99% @ 850 - 1100nm, 0°<br>R <sub>s</sub> >99% @ 800 - 1150nm, 45°<br>R <sub>p</sub> >98.5% @ 850 - 1100nm, 45°                                |
| <b>GDD Specification:</b><br>0 ±30 fs <sup>2</sup> @ 800 - 1150nm                                                                                                                                |
| <b>Coating Type:</b><br>Ultrafast-Enhanced Silver                                                                                                                                                |
| <b>Clear Aperture (%):</b><br>>90                                                                                                                                                                |
| <b>Edge Thickness ET (mm):</b><br>10 ±0.20                                                                                                                                                       |
| <b>Type:</b><br>Concave Mirror                                                                                                                                                                   |
| <b>Wavelength Range (nm):</b><br>800 - 1150                                                                                                                                                      |
| <b>Irregularity (P-V) @ 632.8nm:</b><br>0.15λ                                                                                                                                                    |
| <b>Power (P-V) @ 632.8nm:</b><br>2 Rings                                                                                                                                                         |
| <b>Damage Threshold, Reference:</b> <input type="checkbox"/><br>0.4 J/cm <sup>2</sup> @ 1030nm, 200fs, 1 pulse (typical)<br>0.18 J/cm <sup>2</sup> @ 1030nm, 200fs, 100Hz, 1000 pulses (typical) |

Regulatory Compliance

|                                                            |
|------------------------------------------------------------|
| <b>RoHS:</b><br><a href="#">Compliant</a>                  |
| <b>Certificate of Conformance:</b><br><a href="#">View</a> |