

TECHSPEC<sup>®</sup> 76.2 x 152.4mm EFL 90° Protected Gold 100Å Off-Axis Parabolic Mirror



Stock **#35-536** **2 In Stock**  
[Other Coating Options](#)

-

1

+

₹61,502

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | ₹61,502 each                  |
| Qty 6-25       | ₹55,274 each                  |
| Qty 26-50      | ₹49,046 each                  |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

| General                          |                        |
|----------------------------------|------------------------|
| Off-Axis Parabolic Mirror        | Type:                  |
| Physical & Mechanical Properties |                        |
| 76.20 +0.00/-0.38                | Diameter (mm):         |
| <100 RMS                         | Surface Roughness (□): |

|                                                                                                                          |                                  |
|--------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| 90                                                                                                                       | Clear Aperture (%):              |
| 152.4                                                                                                                    | Y Offset (mm):                   |
| Optical Properties                                                                                                       |                                  |
| 152.40                                                                                                                   | Effective Focal Length EFL (mm): |
| ±1                                                                                                                       | Focal Length Tolerance (%):      |
| 152.40                                                                                                                   | Radius of Curvature (mm):        |
| Protected Gold (700-10000nm)                                                                                             | Coating:                         |
| Metal                                                                                                                    | Coating Type:                    |
| R <sub>avg</sub> ≥94% @ 700 - 800nm<br>R <sub>avg</sub> ≥97% @ 800 - 2,000nm<br>R <sub>avg</sub> ≥98% @ 2,000 - 12,000nm | Coating Specification:           |
| 90                                                                                                                       | Off-Set Angle (°):               |
| 76.2                                                                                                                     | Parent Focal Length PFL (mm):    |
| 3/4λ                                                                                                                     | Surface Figure, RMS:             |
| 700 - 10000                                                                                                              | Wavelength Range (nm):           |
| 80-50                                                                                                                    | Surface Quality:                 |
| Aluminum 6061-T6                                                                                                         | Substrate:                       |
| 3/2λ                                                                                                                     | Reflected Wavefront, RMS:        |

|                      |                             |
|----------------------|-----------------------------|
| Threading & Mounting |                             |
| #63-375              | Compatible Mounting Plates: |

|                                     |                             |
|-------------------------------------|-----------------------------|
| Regulatory Compliance               |                             |
| Compliant                           | RoHS 2015:                  |
| View                                | Certificate of Conformance: |
| Compliant                           | Reach 247:                  |
| United States                       | Country of Origin:          |
| Edmund Optics India Private Limited | Imported By:                |

## Product Details

- Bare or Protected Gold Coating for NIR and IR Applications
- 50Å and 100Å Surface Roughness Options
- 15°, 30°, 45°, 60°, or 90° Offset Angles
- Aluminum and Silver Coated Mirrors Also Available

TECHSPEC® Gold Off-Axis Parabolic Mirrors (OAPs) are designed for minimal scatter loss in light focusing applications. Available with bare or protected gold coatings, these OAP mirrors offer excellent reflectivity from the near infrared (NIR) to the far infrared (IR). Multiple surface roughness options are available in offset angles from 15 to 90°, providing flexibility for system designs. TECHSPEC® Gold Off-Axis Parabolic Mirrors are commonly used in IR systems such as FLIR and FTIR, as well as IR lasers including quantum cascade lasers (QCLs). Mounting plates with holes perpendicular to the optical axis for post mounting are also available.

## Technical Information

