

5.0" x 5.0", FL 2.6", IR Fresnel Lens



Infrared (IR) Fresnel Lenses

Stock **#43-797** ☒ In Stock

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C\$50.40

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Effective Focal Length EFL (mm):

66.04

Substrate: ☐

PolyIR

Coating:

Uncoated

Type:

Fresnel Lens
Wavelength Range (nm): 8000 - 14000
Center Thickness CT (inches): 0.02
Coefficient of Thermal Expansion CTE (10⁻⁶/°C): 11 - 13
Dimensions (inches): 5.0 x 5.0
Dimensions (mm): 127.0 x 127.0
Effective Diameter (inches): 4.0
Effective Focal Length EFL (inches): 2.60
Flexural Modulus (psi): (100-260) × 10 ³
Groove Density (grooves/inch): 100.00
Index of Refraction n_d: Visible (Sodium D Line): 1.52 8-14µm: 1.53 15µm+: 1.48
Operating Temperature (°C): 100.00
Shore Hardness: D60-70
Wavelength Range (µm): 8 - 14
Young's Modulus (GPa): 0.40 - 1.24

Regulatory Compliance

RoHS 2015: Compliant
Reach 224: Compliant
Certificate of Conformance: View