

1.0" x 1.0", FL 0.37", IR Fresnel Lens



Infrared (IR) Fresnel Lenses

Stock **#43-794** ☐ In Stock



1



C\$46.90

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Effective Focal Length EFL (mm):

9.40

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): 1.0 x 1.0
Dimensions (mm): 25.4 x 25.4
Effective Diameter (inches): 0.5
Effective Focal Length EFL (inches): 0.37
Flexural Modulus (psi): (100-260) × 10 ³
Groove Density (grooves/inch): 250.00
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