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Infrared (IR) Fresnel Lenses

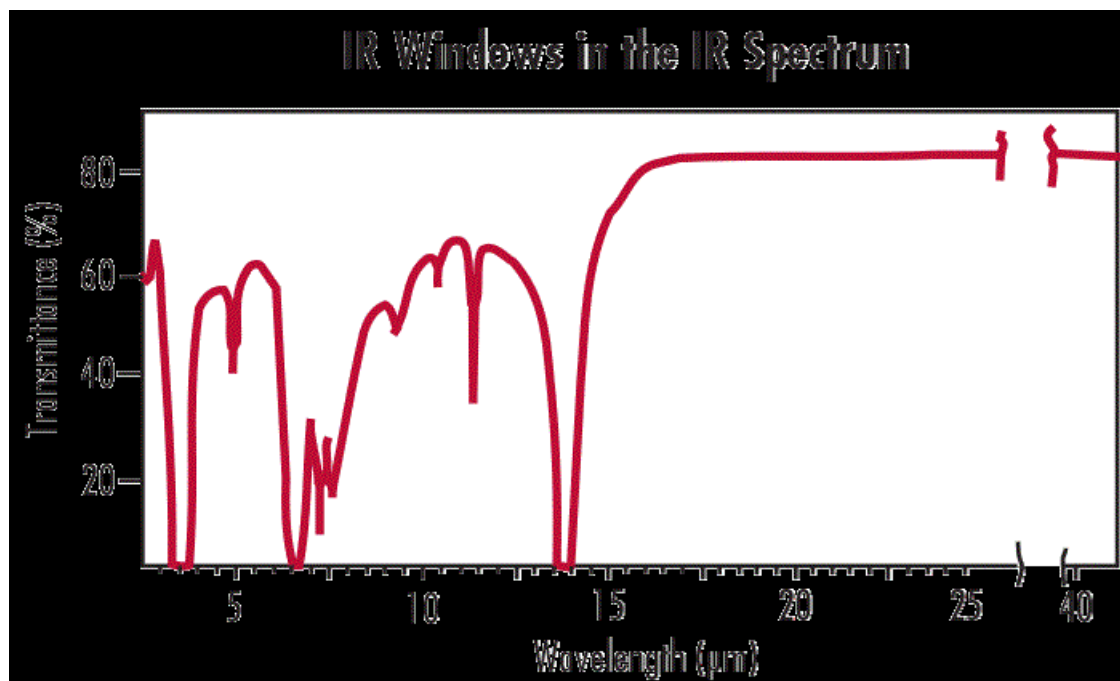


- Excellent Collecting Optics for Infrared Detectors
- Minimal Absorption Loss in the 8-14 μ m Region

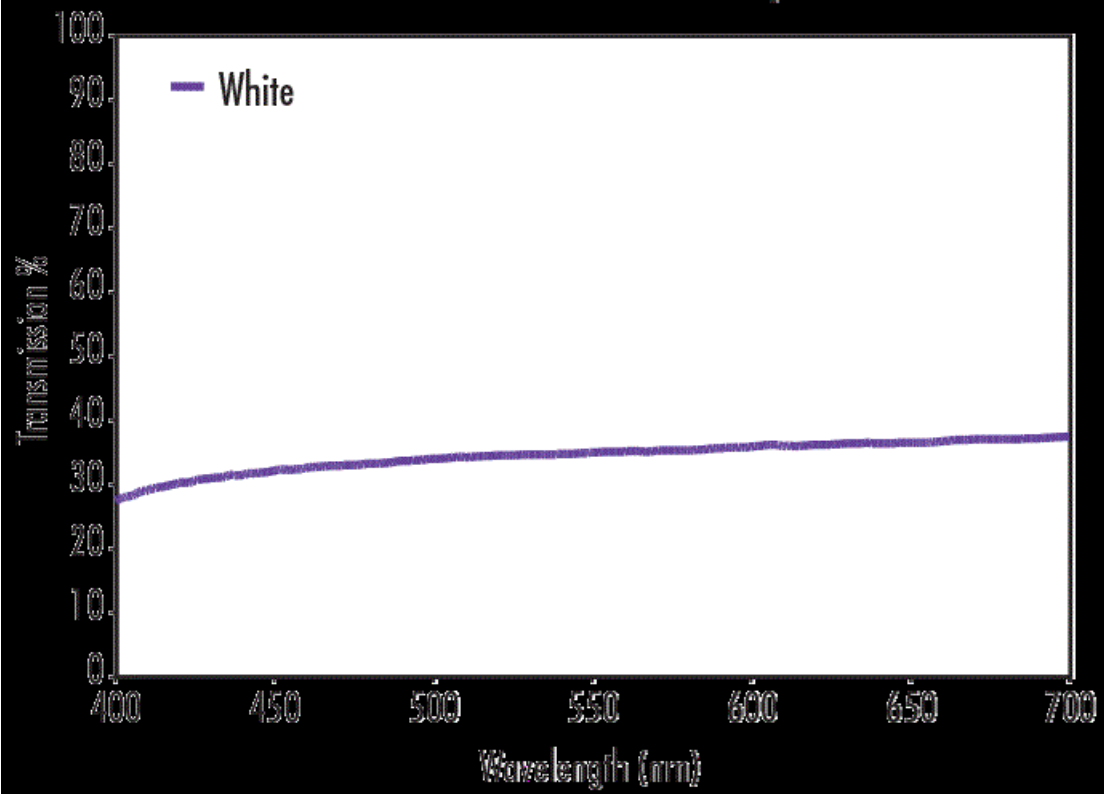
Common Specifications

Physical & Mechanical Properties			
Center Thickness CT (inches):	0.02	Young's Modulus (GPa):	0.40 - 1.24
Optical Properties			
Substrate:	Poly IR	Coating:	Uncoated
Wavelength Range (nm):	8000 - 14000	Index of Refraction (n _d):	Visible (Sodium D Line): 1.52 8-14μm: 1.53 15μm+: 1.48
Wavelength Range (μm):	8 - 14		
Material Properties			
Coefficient of Thermal Expansion CTE (10 ⁻⁶ /°C):	11 - 13		
Flexural Modulus (psi):	(100-260) x 10 ³	Shore Hardness:	D60-70
Environmental & Durability Factors			
Operating Temperature (°C):		100.00	

Technical Information



IR Windows in the Visible Spectrum



Products

Dimensions (inches)	EFL (inches)	CT (inches)	Groove Density (grooves/inch)	Stock Number	Price	Buy
1.0 x 1.0	0.37	0.02	250.00	#43-794	₹2,686 Volume Pricing	20+ In Stock
1.5 x 1.5	0.56	0.02	200.00	#43-795	₹2,686 Volume Pricing	6 In Stock
1.5 x 1.5	0.92	0.02	100.00	#32-797	₹2,686 Volume Pricing	20+ In Stock
2.0 x 2.0	0.79	0.02	200.00	#32-796	₹2,686 Volume Pricing	11 In Stock
2.3 x 2.3	1.20	0.02	125.00	#32-798	₹2,686 Volume Pricing	2 In Stock
3.0 x 3.0	7.30	0.02	25.00	#43-799	₹2,686 Volume Pricing	9 In Stock
3.0 x 3.0	2.20	0.02	125.00	#43-796	₹2,686 Volume Pricing	20+ In Stock
5.0 x 5.0	2.60	0.02	100.00	#43-797	₹2,880 Volume Pricing	8 In Stock
6.7 x 6.7	2.80	0.02	100.00	#43-798	₹3,250 Volume Pricing	2 In Stock



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