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Infrared (IR) Wire Grid Polarizers



- Designed for Wavelengths Ranging from 2 - 30 μ m
- Various Substrates Available
- 360° Rotation Using [Metric Polarizer Mounts](#)



Common Specifications

General

Note:

Notches on polarizer ring are aligned with wires of wire grid (max. reflection)

Physical & Mechanical Properties

Parallelism (arcmin): ≤ 3

Dimensional Tolerance (mm): ± 0.2

Construction: Wire Grid

Groove Parallelism to Edge (°): N/A

Optical Properties

Angle of Incidence (°): 0

Polarization: Notches on polarizer ring are aligned with wires of wire grid

Damage Threshold, By Design: 50 W/cm^2

Groove Density (grooves/mm): 2700.00

Threading & Mounting

Ring Thickness (mm): ± 0.1

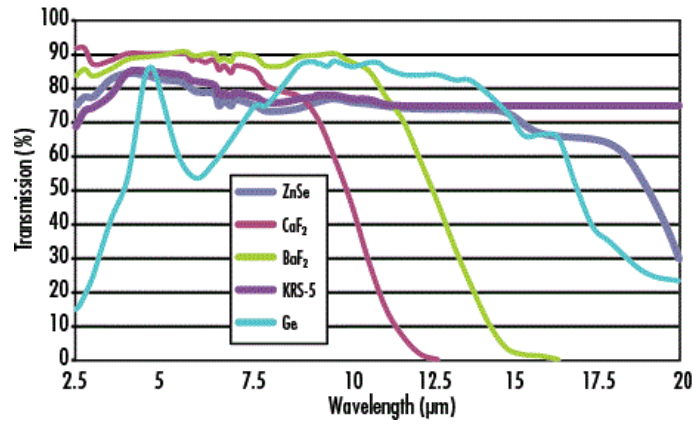
Mount: Black Anodized Aluminum

Environmental & Durability Factors

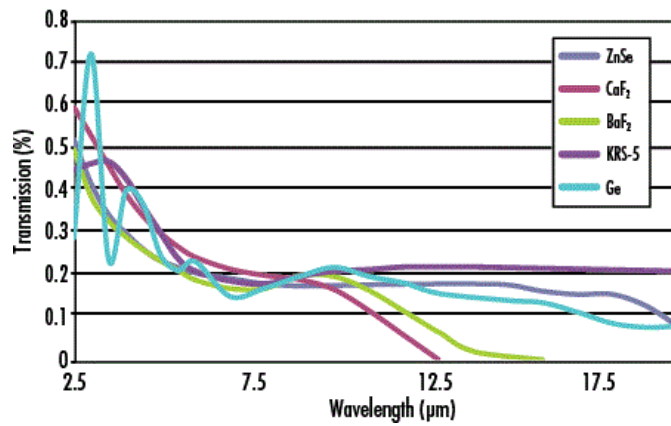
Operating Temperature (°C): -20 to 75

Technical Information

Typical Max Transmission for Linear Polarized Light



Typical Min Transmission for Linear Polarized Light



Products

Mount	Operating Temperature (°C)	Substrate	Substrate Thickness (mm)	CA (mm)	Dia. (mm)	Stock Number	Price	Buy
Black Anodized Aluminum	-20 to 75	Barium Fluoride (BaF ₂)	2.00	18.0	25.00	#62-770	S\$2,485.00 Volume Pricing	7 In Stock
Black Anodized Aluminum	-20 to 75	Barium Fluoride (BaF ₂)	3.00	34.0	50.00	#62-771	S\$3,136.00 Volume Pricing	2 In Stock
Black Anodized Aluminum	-20 to 75	Zinc Selenide (ZnSe)	2.00	18.0	25.00	#62-772	S\$2,436.00 Volume Pricing	6 In Stock
Black Anodized Aluminum	-20 to 75	Zinc Selenide (ZnSe)	3.00	34.0	50.00	#62-773	S\$3,325.00 Volume Pricing	3 In Stock
Black Anodized Aluminum	-20 to 75	Thallium Bromoiodide (KRS-5)	2.00	18.0	25.00	#62-774	S\$2,940.00 Volume Pricing	1 In Stock
Black Anodized Aluminum	-20 to 75	Thallium Bromoiodide (KRS-5)	3.00	34.0	50.00	#62-775	S\$3,899.00 Volume Pricing	5 In Stock
Black Anodized Aluminum	-20 to 75	Germanium (Ge)	2.00	18.0	25.00	#62-776	S\$2,807.00	3 In Stock



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