Edmund optics | worldwide

Family ID #3027

Infrared (IR) Wire Grid Polarizers

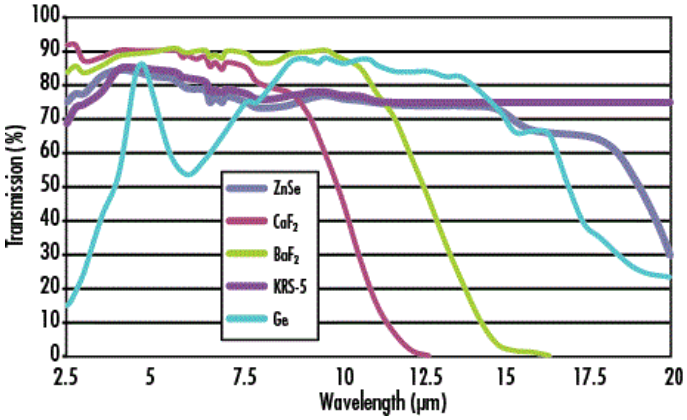
- Designed for Wavelengths Ranging from 2 - 30µm
- Various Substrates Available
- 360° Rotation Using Metric Polarizer Mounts

Common Specifications

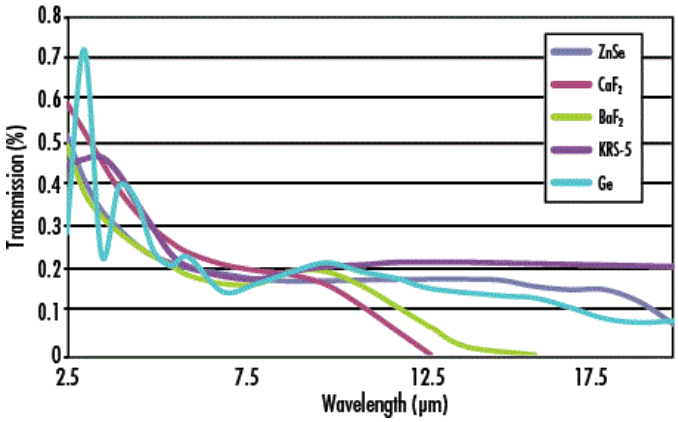
Note:	Notches on polarizer ring are aligned with wires of wire grid (max. reflection)
Parallelism (arcmin):	≤3
Dimensional Tolerance (mm):	±0.2
Construction:	Wire Grid
Groove Parallelism to Edge (°):	N/A
Angle of Incidence (°):	0
Polarization:	Notches on polarizer ring are aligned with wires of wire grid
Damage Threshold, By Design:	50 W/cm^2
Groove Density (grooves/mm):	2700.00
Ring Thickness (mm):	±0.1
Mount:	Black Anodized Aluminum
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	$1,775.00 Volume Pricing	6 In Stock
Black Anodized Aluminum	-20 to 75	Barium Fluoride (BaF_2)	3.00	34.0	50.00	#62-771	$2,240.00 Volume Pricing	1 In Stock
Black Anodized Aluminum	-20 to 75	Zinc Selenide (ZnSe)	2.00	18.0	25.00	#62-772	$1,740.00 Volume Pricing	1 In Stock
Black Anodized Aluminum	-20 to 75	Zinc Selenide (ZnSe)	3.00	34.0	50.00	#62-773	$2,375.00 Volume Pricing	Contact Us
Black Anodized Aluminum	-20 to 75	Thallium Bromoiodide (KRS-5)	2.00	18.0	25.00	#62-774	$2,100.00 Volume Pricing	1 In Stock
Black Anodized Aluminum	-20 to 75	Thallium Bromoiodide (KRS-5)	3.00	34.0	50.00	#62-775	$2,785.00 Volume Pricing	3 In Stock
Black Anodized Aluminum	-20 to 75	Germanium (Ge)	2.00	18.0	25.00	#62-776	$2,005.00	2 In Stock