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Mid-Wave Infrared (MWIR) Polarizers



- 1.5 – 5 μ m Wavelength Range
- Mounted for Easy Handling and System Integration
- Highly Durable Soda Lime Substrate

Common Specifications

Physical & Mechanical Properties

Thickness (mm):	5.00	Construction:	Nanoparticle
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Optical Properties

Angle of Incidence (°):	± 20	Substrate:	Soda Lime Float Glass
Surface Quality:	60-40	Transmission (%):	35 (1500-5000nm) 65 (2000-4500nm)
Transmitted Wavefront, P-V:	$< 3\lambda$ per 10mm	Beam Deviation (arcmin):	< 1
Polarization Axis Mark (%):	± 2	Wavelength Range (nm):	1500 - 5000
Damage Threshold, By Design:	1 W/cm ² (Continuous Block) 5 W/cm ² (Continuous Pass)		

Environmental & Durability Factors

Operating Temperature (°C):	-20 to +120
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Technical Information

Products

Extinction Ratio	CA (mm)	Wavelength Range (nm)	Surface Quality	Dia. (mm)	Thickness (mm)	Stock Number	Price	Buy
>1,000:1 (1500-5000nm) >10,000:1 (2000-4500nm)	8.1	1500 - 5000	60-40	12.50	5.00	#85-262	₹57,998 Qty 6+ ₹46,243	10 to 12 days
>1,000:1 (1500-5000nm) >10,000:1 (2000-4500nm)	20.8	1500 - 5000	60-40	25.00	5.00	#85-264	₹1,47,137 Qty 6+ ₹1,18,254	10 to 12 days



Copyright 2023, Edmund Optics India Private Limited, #267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038

Phone: 1-800-363-1992 :

www.edmundoptics.com