ULTRA HIGH CONTRAST PRECISION POLARIZERS

Meadowlark Optics
ULTRA-HIGH CONTRAST PRECISION POLARIZERS

If you need extremely high contrast polarizers, then Meadowlark has the solution for you. Our UHP-UV series polarizers offer high contrast in the UV from 360 to 400 nm and our UHP-IR series polarizers offer high contrast over the exceptionally broad range from 650 to 2000 nm. By laminating a dichroic glass sheet polarizer between Fused Silica or BK7 windows we are able to offer a quality part as a solution to your tough polarization problems.

Specifications

Polarizer Material:	Dichroic Glass
Substrate Material:	
Ultraviolet:	Fused Silica
Infrared:	BK7
Transmitted Wavefront Distortion (peak to valley at 632.8nm):	≤ 1λ/in
Surface Quality:	≤ 40–20 scratch dig
Beam Deviation:	1 arc min
Reflectance (per AR coated surface):	0.5% at normal incidence
Diameter Tolerance:	
Mounted:	±0.005 in.
Unmounted:	+0/-0.010 in.
Temperature Range:	-50°C to +50°C

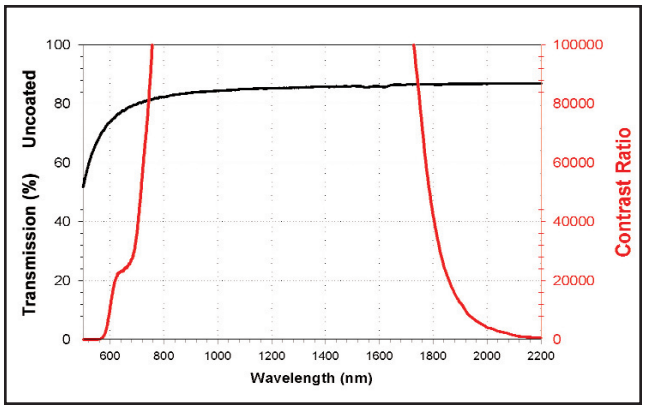
How To Order:

Diameter D (in.)	Clear Aperture(in.)	Thickness	Part Number
Mounted			
1.00	0.40	.23	UHPM-050-UV
1.00	0.40	.23	UHPM-050-IR-λ
1.00	0.70	.35	UHPM-100-UV
1.00	0.70	.35	UHPM-100-IR-λ
Unmounted			
0.50	0.40	.13	UHP-050-UV
0.50	0.40	.13	UHP-050-IR-λ
1.00	0.80	.25	UHP-100-UV
1.00	0.80	.25	UHP-100-IR-λ

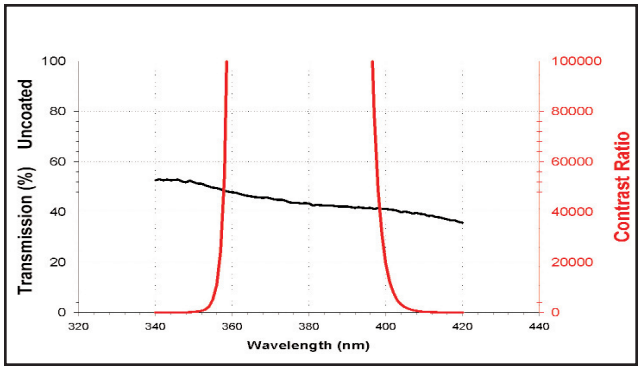
**Specify AR Coating λ (nm) for IR:
1) 650-950, 2) 900-1250, 3) 1200-1700

0805

Ultra High Contrast IR Polarizer



Ultra High Contrast UV Polarizer



Meadowlark Optics
5964 Iris Pkwy., PO Box 1000
Frederick, CO 80530
P:303.833.4333 F:303.833.4335
www.meadowlark.com
sales@meadowlark.com

meadowlark optics
polarization solutions