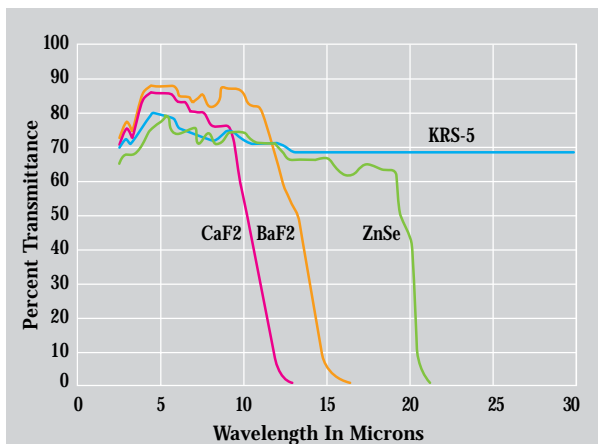


Holographic Wire Grid IR Polarizers

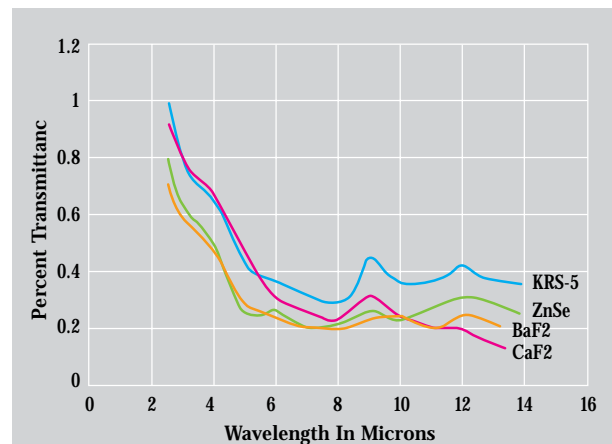
Substrates material	CaF2, BaF2, ZnSe, KRS-5
Diameter tolerance	+/-0.02" (+/-0.5 mm)
Clear Aperture (CA)	see table below
Substrate thickness	0.08" (2.0 mm)
Thickness tolerance	+/-0.005" (+/-0.13 mm)
Surface Quality	40/20
Parallelism	3 arc min
Wire grid spacing	2,400 grooves/mm
Typical extinction ratio (ExR)	See table below
Mounting	All polarizers are mounted in a double protective ring Ring thickness tolerance +/-0.1 mm
Optional mount	360 degree rotary mount with adapter, post and breadboard screws

CAT #	MATERIAL	DIA, IN	DIA, MM	CA, MM	TH,MM	WAVE, UM	ExR
POL-HW-CF-25	CaF2	0.98	25.0	18.0	5.0	3.0 8.0	100 250
POL-HW-CF-50	CaF2	1.97	50.0	30.0	6.0	3.0 8.0	100 250
POL-HW-BF-25	BaF2	0.98	25.0	18.0	5.0	3.0 10.0	100 300
POL-HW-BF-50	BaF2	1.97	50.0	30.0	6.0	3.0 10.0	100 300
POL-HW-ZC-25	ZnSe	0.98	25.0	18.0	5.0	3.0 10.0	100 300
POL-HW-ZC-50	ZnSe	1.97	50.0	30.0	6.0	3.0 10.0	100 300
POL-HW-K5-25	KRS-5	0.98	25.0	18.0	5.0	3.0 15.0	100 200
POL-HW-K5-50	KRS-5	1.97	50.0	30.0	6.0	3.0 15.0	100 200

Typical Polarizer Transmittance in linear polarized light with polarizers oriented for maximum transmission.



Typical Polarizer Transmittance in linear polarized light with polarizers oriented for minimum transmission.



Custom sizes and specifications are available