

Material Properties for Wire Grid Polarizers

Material	CaF2		BaF2		ZnSe		KRS-5	
	3 μ m	8 μ m	3 μ m	10 μ m	3 μ m	10 μ m	3 μ m	15 μ m
Typical Extinction Ratio	100:1	250:1	100:1	300:1	100:1	300:1	100:1	200:1
Wire Grid Spacing	2400 Grooves/mm		2400 Grooves/mm		2400 Grooves/mm		2400 Grooves/mm	
Parallelism	<= 3 arcmin		<= 3 arcmin		<= 3 arcmin		<= 3 arcmin	
Substrate Thickness	2mm nominal		2mm nominal		2mm nominal		2mm nominal	
Ring Thickness	5.0mm +/- 0.1mm		5.0mm +/- 0.1mm		5.0mm +/- 0.1mm		5.0mm +/- 0.1mm	
Dimensional Tolerance	+/- 0.5mm		+/- 0.5mm		+/- 0.5mm		+/- 0.5mm	
Damage Threshold	10W/cm ² CW 10KW/cm ² Pulsed		10W/cm ² CW 10KW/cm ² Pulsed		10W/cm ² CW 10KW/cm ² Pulsed		10W/cm ² CW 10KW/cm ² Pulsed	

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