

中红外线栅偏振片-硅基底 (3um-6um)

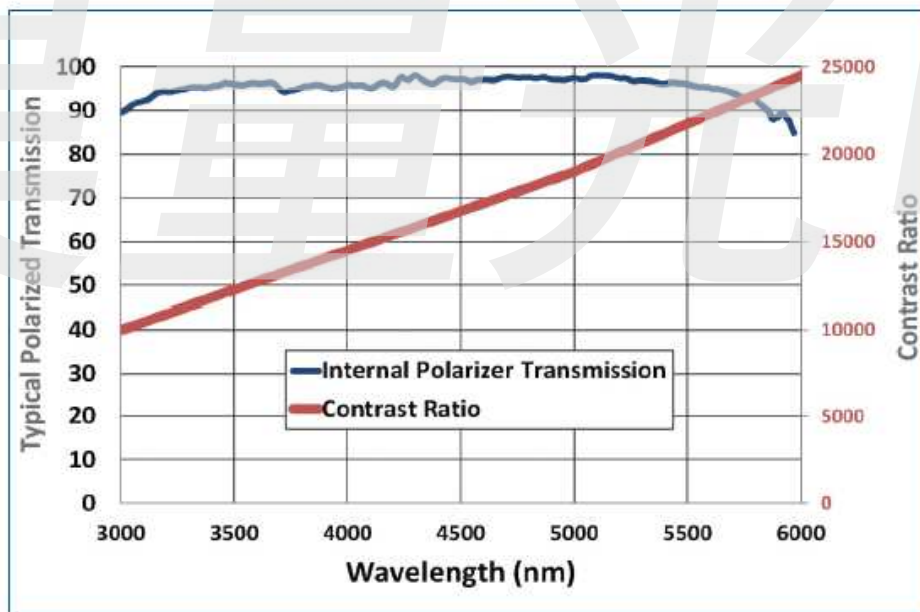
美国 MeadowLark 公司是世界顶级的偏振光学器件制造商，致力持续推出高性能的偏振光学器件。中红外线栅偏振片 (3um -6um) 是美国 MeadowLark 公司针对中红外波长专门推出的一款高质量偏振光学器件。该款中红外线栅偏振片可作用于 3um-6um 波段，且消光比大于 10,000:1，在 3um-6um 这么宽的波带范围内，其透过率均大于 90%。



中红外线栅偏振片 (MWIR) 特点:

- 高消光比: >10,000:1 ;
- 波长范围: 3um—6um ;
- 高透过率: >90%;
- 质地薄

Transmission and Contrast vs. Wavelength



Typical measured contrast ratio (red) and transmission (blue) over relevant wavelength range.

中红外线栅偏振片消光比 (红色曲线) 和偏振透过率 (蓝色曲线)

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SPECIFICATIONS	
Substrate Material	Silicon, 0.7 mm Thick
Coating	Double side AR
Wavelength Range	3 μm to 6 μm
Contrast Ratio	See graph
Acceptance Angle	$\leq 20^\circ$
Transmitted Wavefront Distortion (per inch)	$\leq 1.5 \lambda$ (P - V at 4 μm) [$\leq \lambda/3$ (RMS at 4 μm)]
Beam Deviation	≤ 2 arc min
Maximum aperture	Up to 4 in. circular
Surface Quality	80-50 scratch-dig

中 红 外 线 栅 偏 振 片 参 数 资 料

ORDERING INFORMATION			
<i>Diameter</i>	<i>Clear Aperture</i>	<i>Thickness</i>	<i>Mounted Part Number</i>
$\varnothing 1.00$ in. [25.4 mm]	$\varnothing 0.76$ in. [19.3 mm]	0.182 in. [4.62 mm]	MPM-100
$\varnothing 2.00$ in. [50.8 mm]	$\varnothing 1.76$ in. [44.7 mm]	0.182 in. [4.62 mm]	MPM-200

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