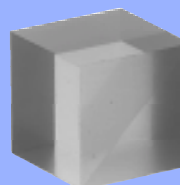




OPTICAL DEVICE

Dichroic Prism (MSK114, MSK053C)

•For dichroic use

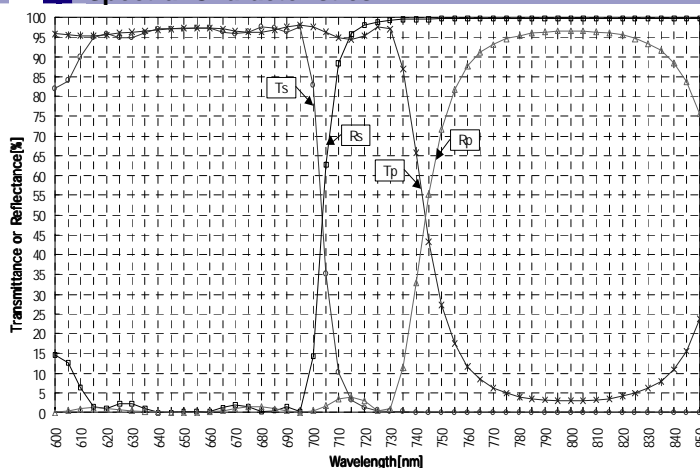


MSK114

Specifications

Material	BK7 or equivalent		
Wavelength	660 nm \pm 10 nm, 785 nm \pm 10 nm		
Incident angle	0 $^{\circ}$ \pm 5 $^{\circ}$		
Dimensions (Ex.)	3.0 $^{\pm 0.1}$ \times 3.0 $^{\pm 0.1}$ \times 3.0 $^{\pm 0.1}$ (mm)		
Clear aperture	ϕ 2 mm		
Wavefront aberration	0.02 λ rms Max. (Transmission, λ = 660 nm)		
Dichroic coating characteristics	Wavelength	Incident angle	Characteristics
	660 nm	0 $^{\circ}$	Tp \geq 90 % Ts \geq 90 %
Dichroic coating characteristics	785 nm	0 $^{\circ}$	Rp \geq 88 % Rs \geq 92 %
	Reflectance of AR coating	0.5 % Max. (Incident angle: 0 $^{\circ}$)	

Spectral Characteristics



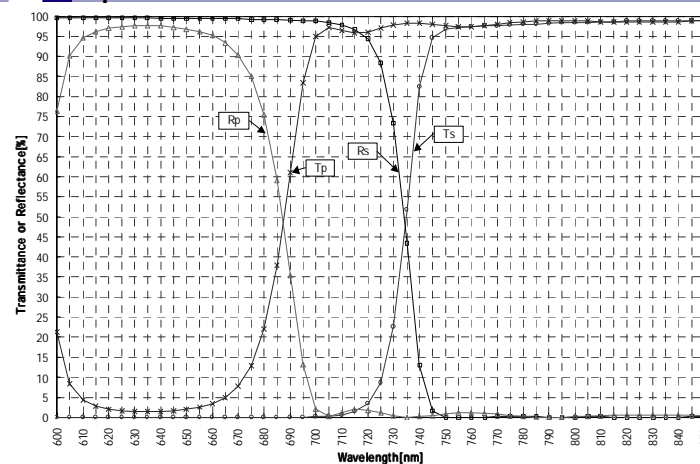
Tp: Transmittance P polarization Rp: Reflectance P polarization
 Ts: Transmittance S polarization Rs: Reflectance S polarization

MSK053C

Specifications

Material	BK7 or equivalent		
Wavelength	660 nm \pm 10 nm, 785 nm \pm 10 nm		
Incident angle	0 $^{\circ}$ \pm 5 $^{\circ}$		
Dimensions (Ex.)	3.0 $^{\pm 0.1}$ \times 3.0 $^{\pm 0.1}$ \times 3.0 $^{\pm 0.1}$ (mm)		
Clear aperture	ϕ 2 mm		
Wavefront aberration	0.02 λ rms max (Reflection, λ = 660 nm)		
Dichroic coating characteristics	Wavelength	Incident angle	Characteristics
	660 nm	0 $^{\circ}$	Rp \geq 80 % Rs \geq 97 %
Dichroic coating characteristics	785 nm	0 $^{\circ}$	Tp \geq 94 % Ts \geq 94 %
	Reflectance of AR coating	0.5 % Max. (Incident angle: 0 $^{\circ}$)	

Spectral Characteristics



Tp: Transmittance P polarization Rp: Reflectance P polarization
 Ts: Transmittance S polarization Rs: Reflectance S polarization