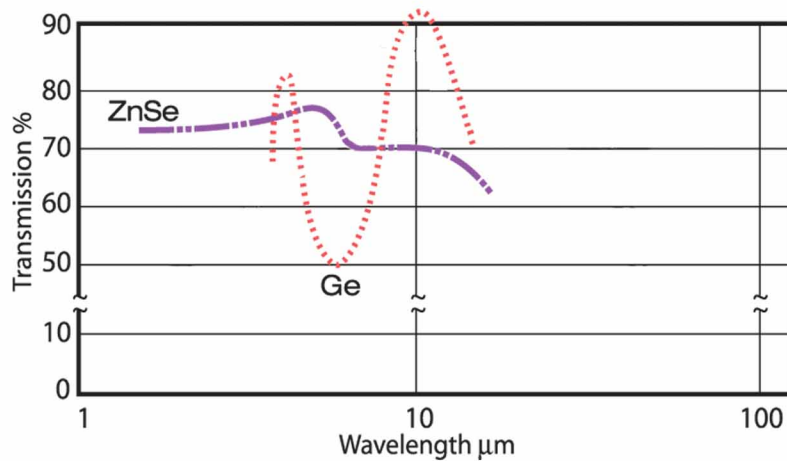


Polarizers

Image Quality Polarizers



Substrate		ZnSe		Ge
Spectral Range (μm)		3-5	8-12	8-12
Anti-reflection Coating		Yes	Yes	Yes
% Transmission Efficiency (K1)	4 μm	93	-	-
	10 μm	-	85	90
% Transmission of Unwanted Radiation (K2)	4 μm	0.35	-	-
	10 μm	-	0.12	0.14
% Degree of Polarization (K1-K2)/(K1+K2)	4 μm	99.2	-	-
	10 μm	-	99.7	99.7
Extinction Ratio expressed as K1/K2	4 μm	130:1	-	-
	10 μm	-	350:1	320:1
Damage Threshold (watts/cm ²) CW		50	50	50
Max. Operating Temperature °C		110	110	80

	Range (KRS μm)	OD (mm)	CA (mm)	t (mm)	Part Numbers
Ge	8-12	41	25	6.7	GS57078
	8-12	55	38	8.7	GS57079
	8-12	70	50	8.7	GS57068
	8-12	90	71	9.7	GS57069
ZnSe	3-5	41	25	6.7	GS57058
	3-5	55	38	8.7	GS57060
	3-5	70	50	8.7	GS57062
	3-5	90	71	9.7	GS57064
ZnSe	8-12	41	25	6.7	GS57059
	8-12	55	38	8.7	GS57061
	8-12	70	50	8.7	GS57063
	8-12	90	71	9.7	GS57065

These specifications represent typical minimum performance. Actual results may vary. Maximum operating temperature for Ge is 80°C, all others are 110°C. Other materials, including sapphire, CsI and MgF and custom specifications available upon request.