

ZnS Lens Module 13.0mm f1.1mm AR (#612AR)

- Cost effective lens for high volume application
- Designed for uncooled IR sensors
- Optimized for the 8-12 μ m wavelength range



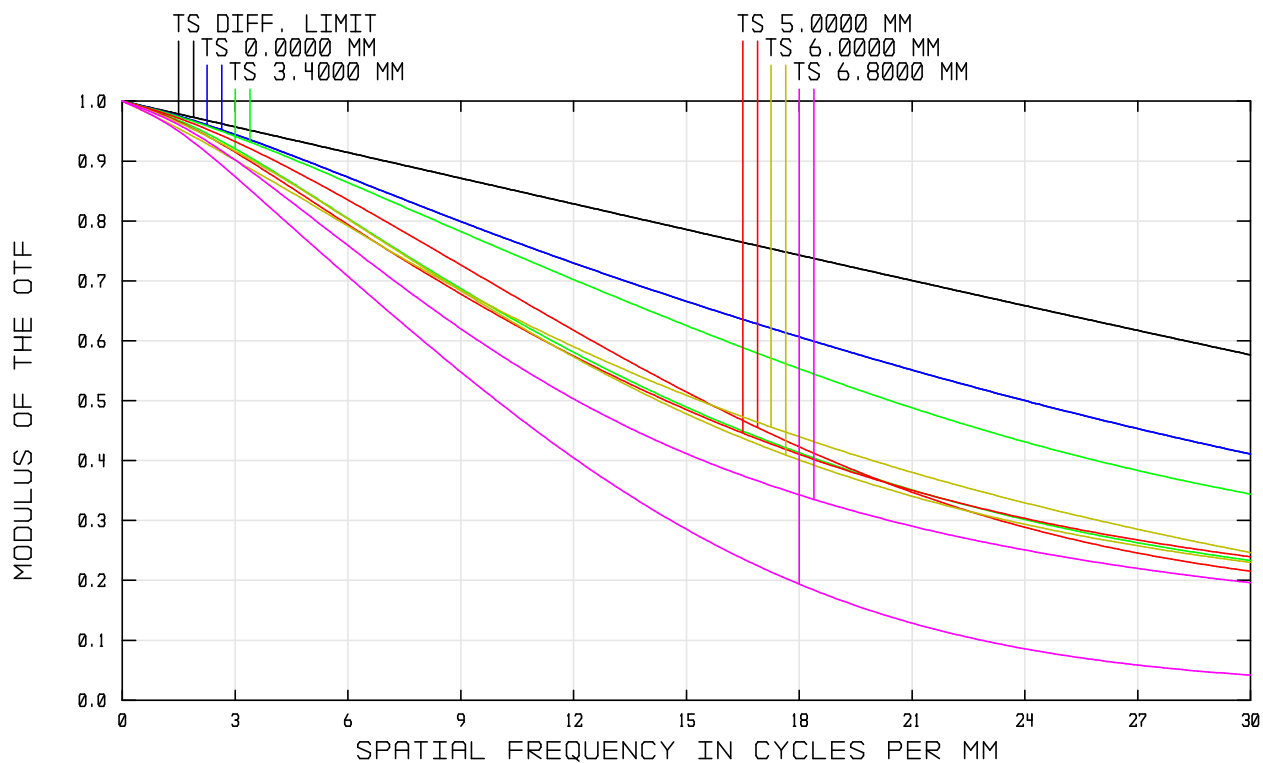
P/N	13.0mm f/1.1mm AR		(#612AR)
Property		Value	Remarks
Lens material		Zinc Sulfide	
Optical	Focal Length	13.0mm	
	F/#	1.1	
	Horizontal Filed of View	50.3° (A) / 36.2° (B)	
	Image Circle	φ13.6mm	
	Flange Back(BFL)	9.1mm	Including windows
	Focus Range	0.7m to infinity	
	Focus Adjustment	Manual	
	Lens transmission (average)	0.78	wavelength 8-12 μ m
	Coating Type	AR Coating*1	wavelength 8-12 μ m
Mechanical	Weight	33g	
	Lens Mount	Fixed adjustable	M34 × P0.5[mm]
Environmental	Operating Temperature	-40°C to +80°C	Athermalized

*1 Environmental Test (MIL-F-48616)

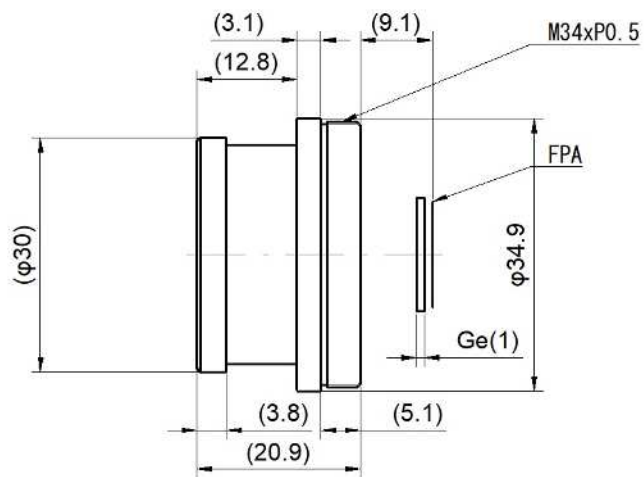
Adhesion	Tape Test
Humidity	85°C/95% X 1000h
Abrasion	Severe 20 stroke
Temperature Shock	-40°C to 100°C X 1000 cycle
High/Low Temperature	100°C X 750h / -57°C X 570h

Type	Pitch	Pixels
A	17 μ m	640x480 (VGA)
B	25 μ m	320x240 (QVGA)

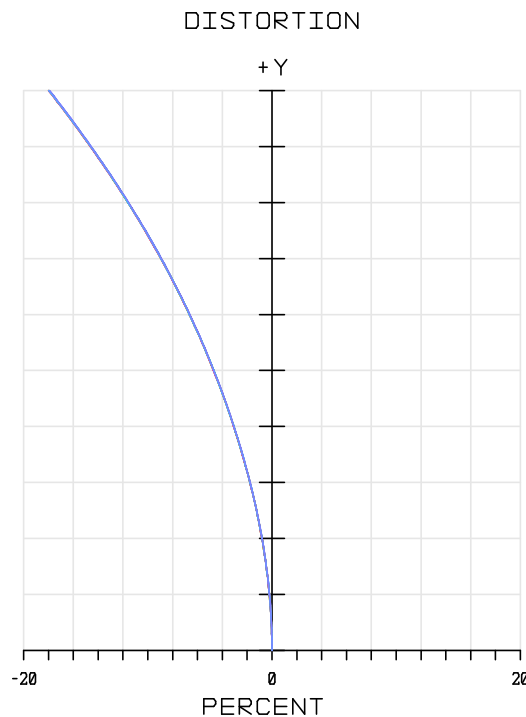
MTF Curves



Layout



Distortion



Contacts :
 Industrial Optics Div.
 China Tel: +86(0)-13006699017
 Overseas Tel: +86(0)-18002540712

(2021.04.16)