

# Zinc Sulfide Lens Module #612

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



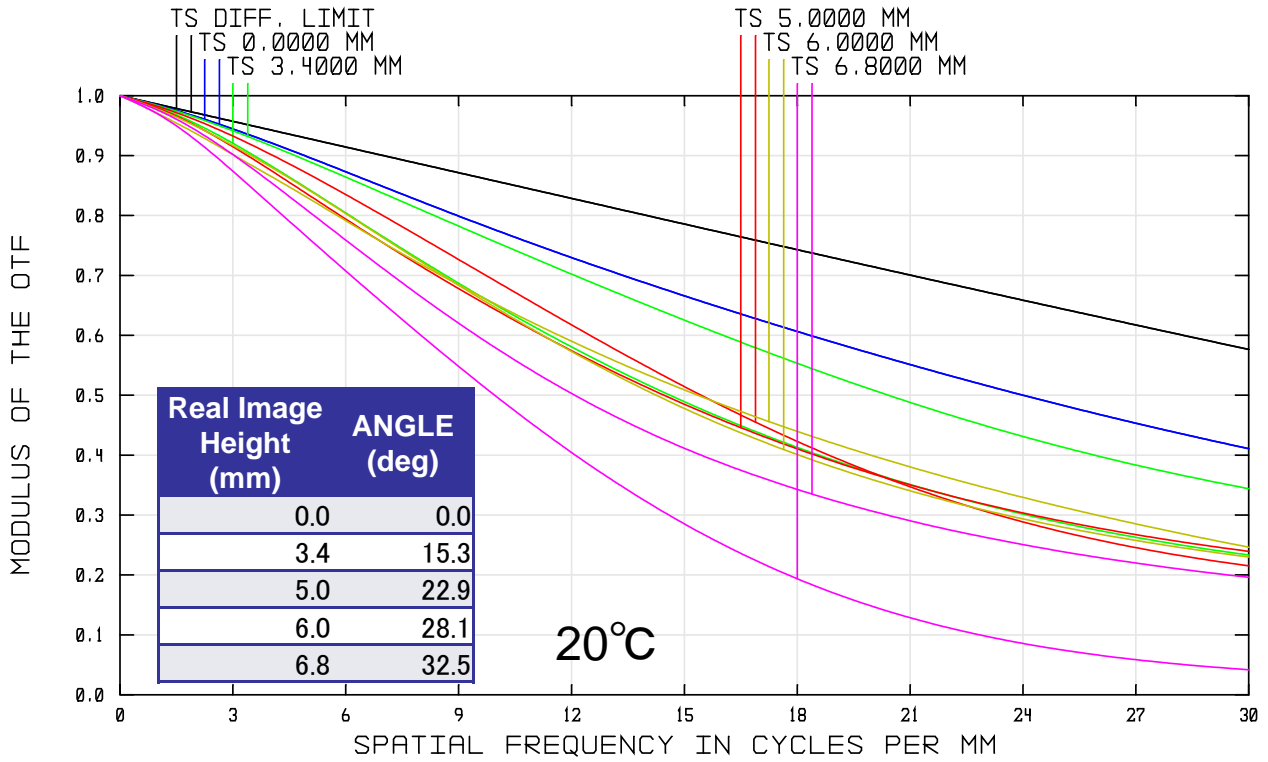
Property	Value	Remarks
Optical		
Focal Length	13.0mm	code#0612
F/#	1.1	
Horizontal Filed of View	50.3° (A) / 36.2° (B)	
Image Circle	13.6mm	
Focus Adjustment	Manual	
Lens transmission (average)	0.78	wavelength8-12 $\mu$ m
Coating Type	AR Coating*1	wavelength8-12 $\mu$ m
Mechanical		
Weight	19g	
Lens Mount	Threaded	M34 × 0.5(Pitch)[mm]
Environmental		
Operating Temperature	-40°C to +80°C	

\*1 Environmental Test (MIL-F-48616)

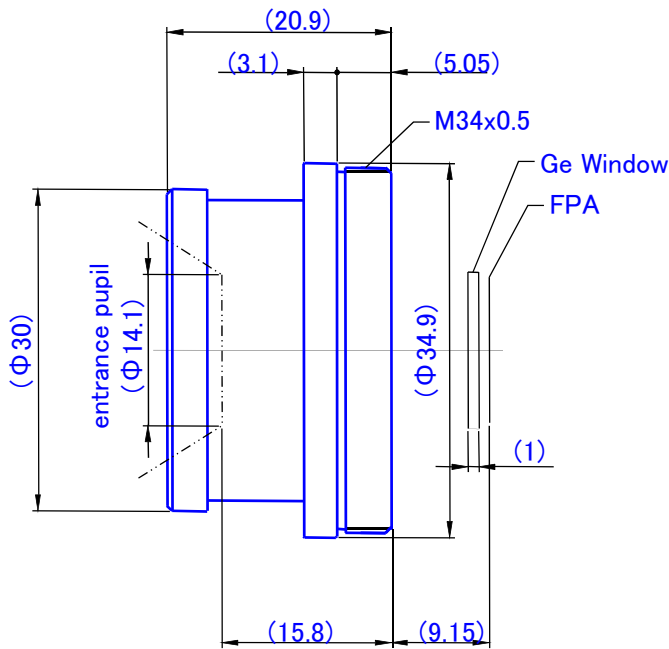
Adhesion	Tape Test
Humidity	85°C/95%X1000h
Abrasion	Severe 20 stroke
Temperature Shock	-40°C to 100°CX1000cycle
High/Low Temperature	100°CX750h/-57°CX570h

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

# MTF Curves



# Layout



# Distortion

