

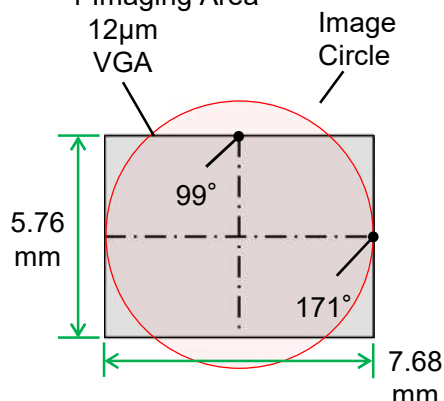
ZnS Lens Module 3.8mm f1.25mm (#635DLC)

- Compact and Ultra-Wide-Angle Lens
- Possible to eliminate window by high strength and DLC coat
- Cost effective lens for high volume application
- Optimized for the 8-12μm wavelength range



P/N	3.8mm f/1.25mm		(#635DLC)
Property	Value	Remarks	
Lens material		Zinc Sulfide	
Optical	Focal Length	3.8mm	
	F/#	1.25	
	Horizontal Filed of View	171° (A)/61° (B)	
	Image Circle	Φ7.6mm*1	
	Flange Back(BFL)	8.2mm	Including windows
	Focus Range	0.3m to infinity	
	Focus Adjustment	Manual	
	Lens transmission (average)	0.71	wavelength8-12μm
	1 st Surface Coating	DLC Coating*2	wavelength8-12μm
Mechanical	Weight	14g	
	Lens Mount	Fixed adjustable	M20 × P0.5[mm]
Environmental	Operating Temperature	-40°C to +80°C	Athermalized
	Sealing	IP67	

*1 Imaging Area



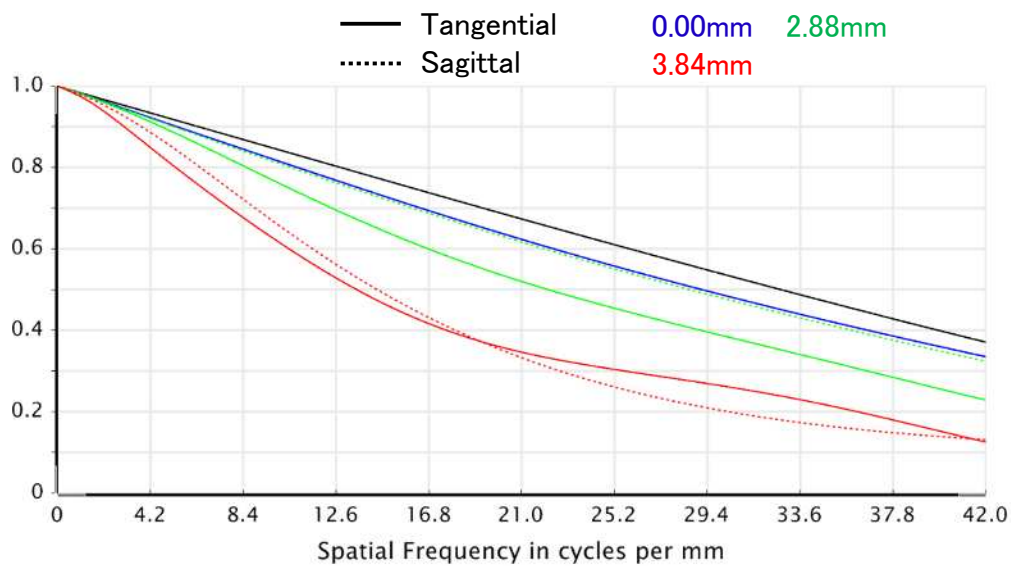
*2 Environmental Test

Adhesion	Tape Test
Humidity	85°C/95% X240h
Abrasion	Severe 20 stroke
weatherability	UV+water X1000h
Sand and Dust test	13.3m/s,<150μm, ≥3h,0.33g/m3

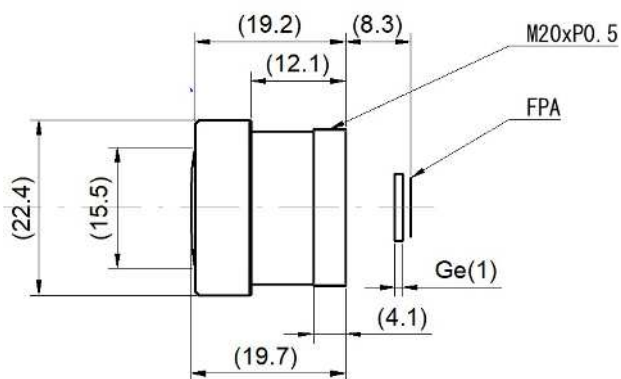
MIL-F-48616
MIL-F-48616
MIL-F-48616
JIS D 0205 WAN1S
MIL-STD-810G 510.5

Type	Pitch	Pixels
A	12μm	640x480 (VGA)
B	12μm	320x240 (QVGA)

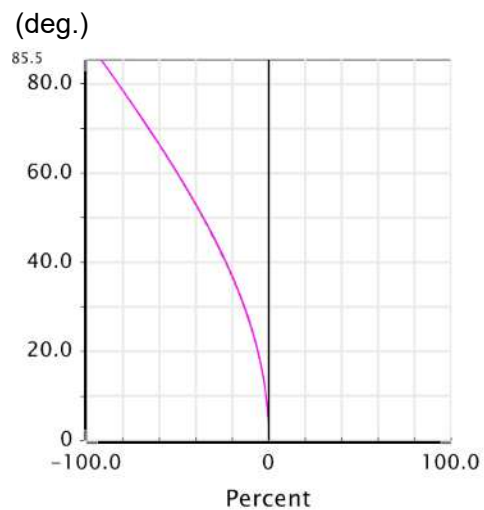
MTF Curves



Layout



Distortion



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

(2021.04.16)