

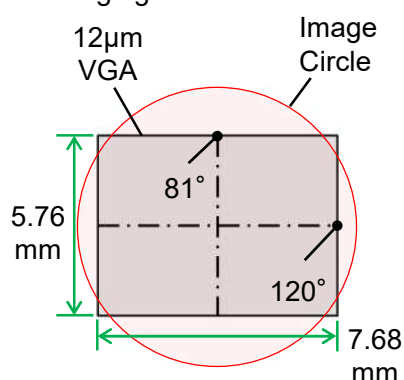
ZnS Lens Module 4.4mm f1.25mm (#634DLC)

- 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 8-12 μ m wavelength range



P/N	4.4mm f/1.25mm		(#634DLC)
Property	Value		Remarks
Lens material	Zinc Sulfide		
Optical	Focal Length	4.4mm	
	F/#	1.25	
	Horizontal Filed of View	120° (A)/51° (B)	
	Image Circle	Φ9.0mm*1	
	Flange Back(BFL)	8.7mm	Including windows
	Focus Range	0.3m to infinity	
	Focus Adjustment	Manual	
	Lens transmission (average)	0.71	wavelength8-12 μ m
	1 st Surface Coating	DLC Coating*2	wavelength8-12 μ m
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



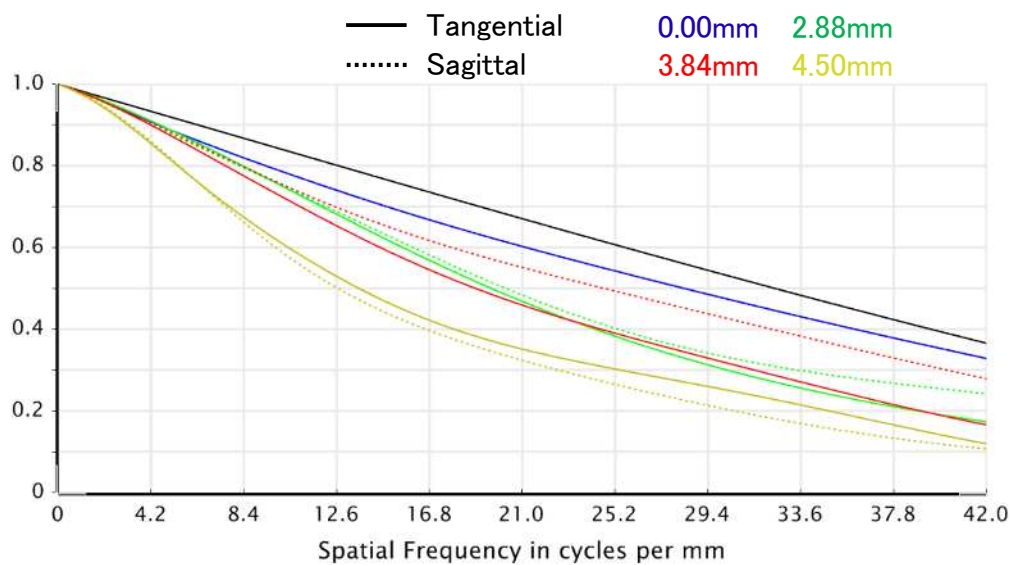
*2 Environmental Test

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

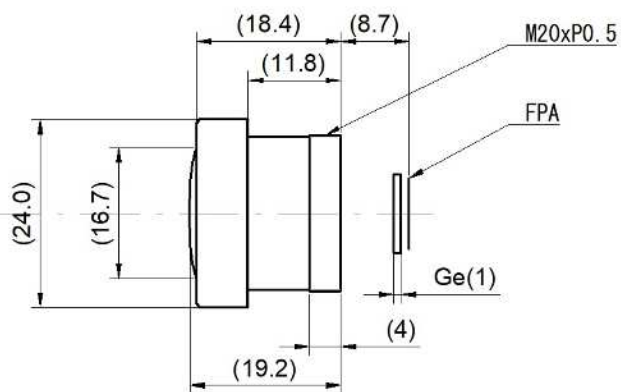
MIL-F-48616
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JIS D 0205 WAN1S
MIL-STD-810G 510.5

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

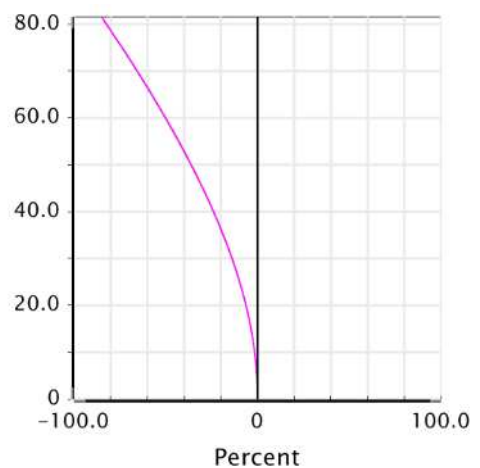
MTF Curves



Layout



Distortion



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