

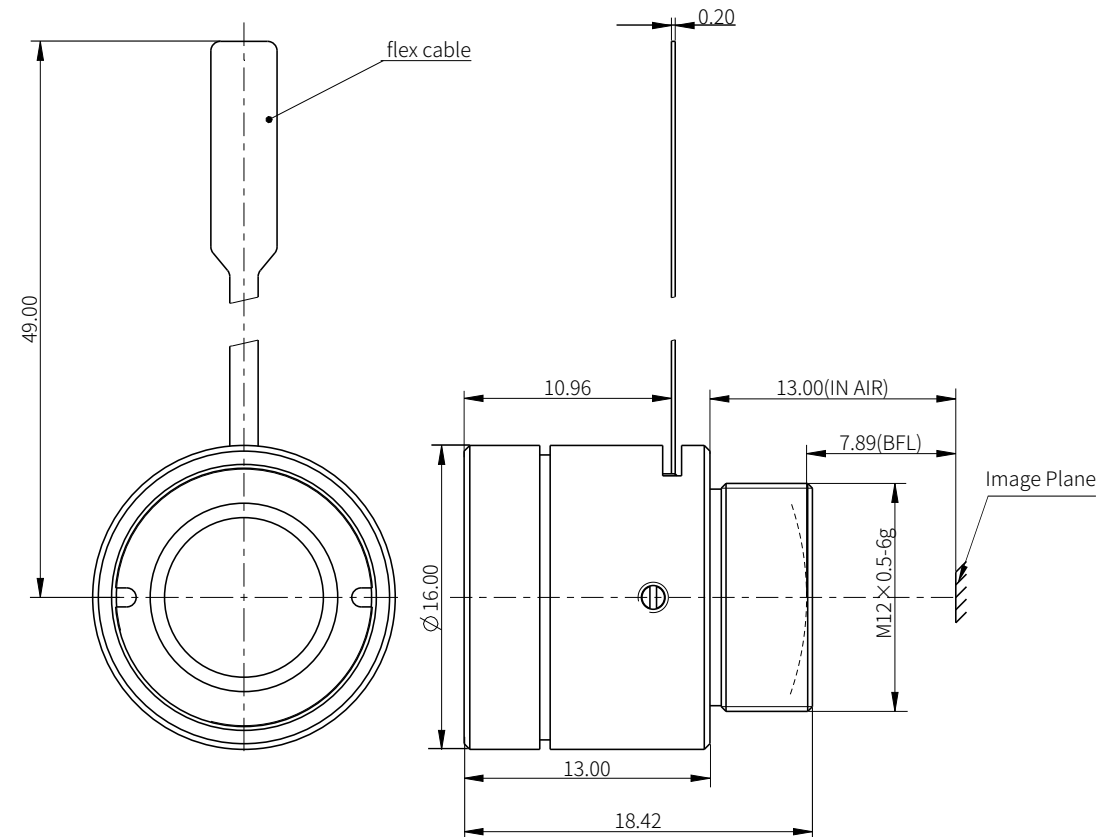
M12 Series Liquid Lenses

#OPT-S1256-LQL E.F.L.= 12 mm F5.6

● Specifications

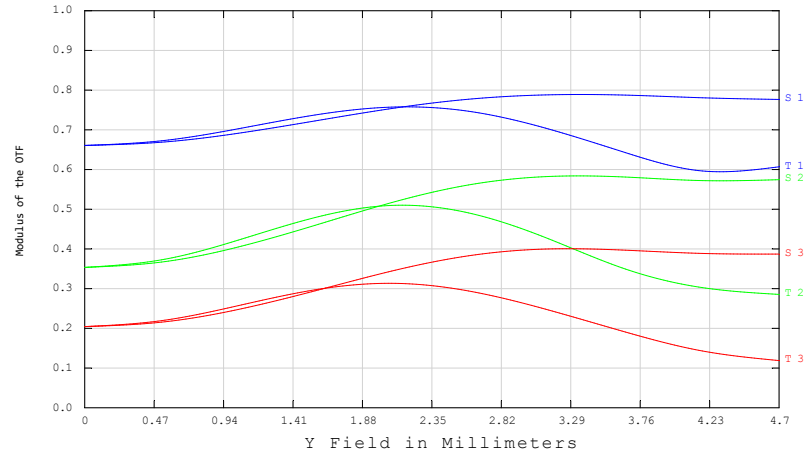
Effective focal length (mm)		12
Sensor ø(mm)		9.4(1/1.7")
F NO.		F5.6
FOV Angle	Diagonal (9.25 mm)	42.39°
	Horizontal (7.4 mm)	34.38°
	Vertical (5.5 mm)	26.00°
Wavelength range (nm)		435~656
Relative illumination		>70%
Working distance (mm)		150~∞
Working distance without current (mm)		275
Distortion (at WD 275)		<1.41%
Max chief ray angle		<5.5°
Flange focal distance (mm)		13.00
Back focal length (mm)		7.89
Mount		M12×0.5-6g
Connector type		FPC(2-pin)
Size (mm)		L13.00×W16.00×H49.00
Total track length (Liquid Lens included) (mm)		26.00
Focus tunable lens specifications		EL-3-10-VIS-26D-FPC
Focal power range at 20°C (dpt)		-13~+13
Wavefront error at 525 nm (vertical/horizontal) (λRMS)		<0.2 / <0.2
Working temperature		-20°C~+65°C
Storage temperature		-50°C~+85°C
Temperature compensation		No

● Mechanical drawings

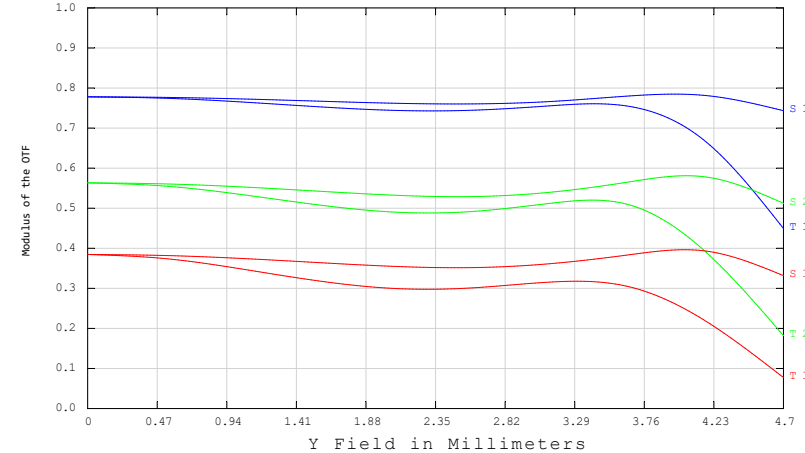


● Modulation Transfer Function(MTF)

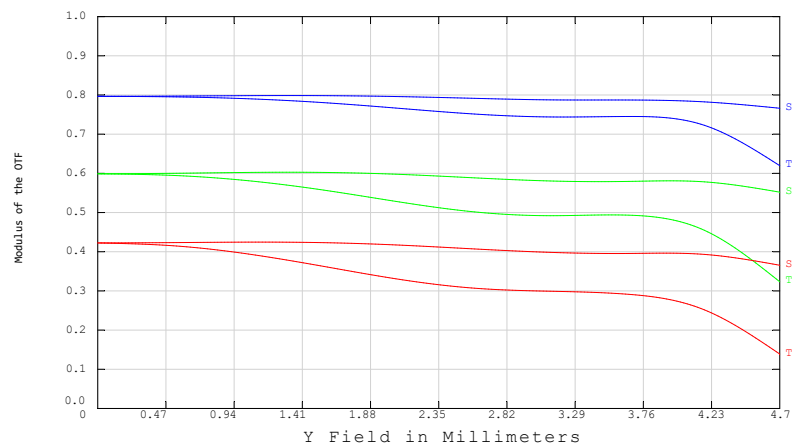
W.D. = 180 mm



W.D. = 400 mm



W.D. = 275 mm



W.D. = 500 mm

