

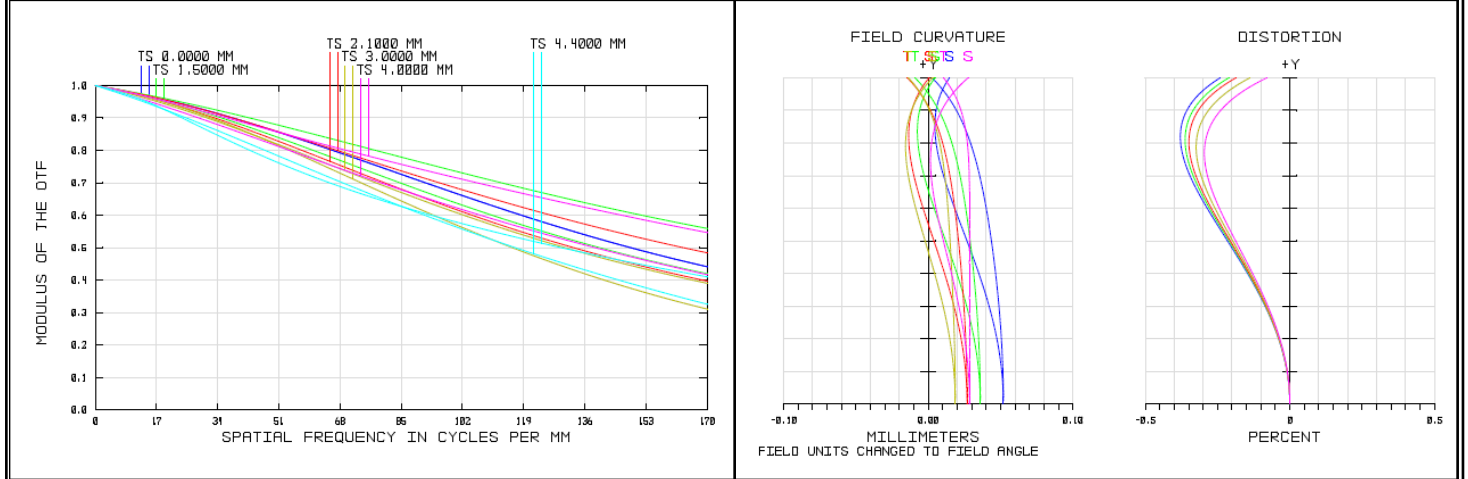
## M12 Lens 8.5mm F2.5 SVL-0825SMAC



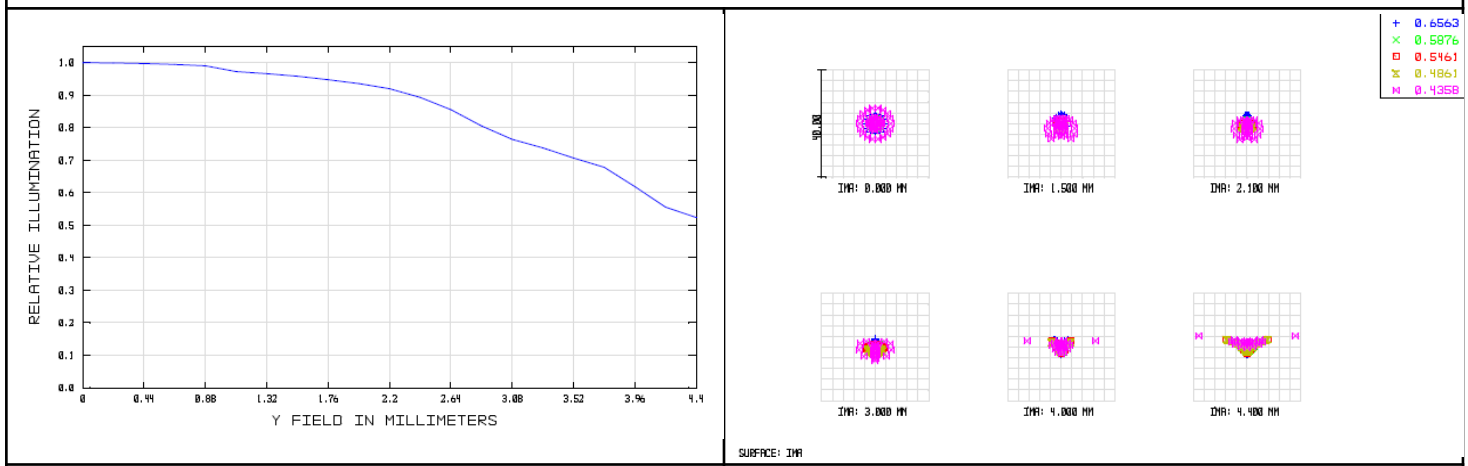
Focal Length		8.5mm			
F Number		f2.5			
Iris		Non Adjustable			
Mount		M12			
Format		1/1.8"			
IR Block		No IR Block			
Resolution		5MP			
Field of View (D/H/V)		1/1.8"	1/2"	1/2.3"	
		D	54	50.40	48.74
		H	44.6	41.26	40.07
		V	33.8	31.53	30.28
Operating Temperature		-20°C~+65°C			
Distortion		<-0.50%			
Back Focus		6.508mm			
Working Distance		0.1m-1m			
Design Wavelength		400-950nm			

**Optical Design Report**

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
MTF	Field Curvature & Distortion	Relative Illumination	Spot Diagram

**WD = 200mm**


POLYCHROMATIC DIFFRACTION MTF		FIELD CURVATURE / F-TAN (THETA) DISTORTION	
THUR AUG 17 2017 DATA FOR 0.4358 TO 0.6563 μm SURFACE: IMAGE	0825SMAC.ZMX CONFIGURATION 1 OF 1	THUR AUG 17 2017 MAXIMUM FIELD IS 26.675° WAVELENGTHS: 0.656 / 0.588 / 0.546 / 0.486 / 0.436	0825SMAC.ZMX CONFIGURATION 1 OF 1



RELATIVE ILLUMINATION		SPOT DIAGRAM	
THUR AUG 17 2017 WAVELENGTH: 0.546074 μm	0825SMAC.ZMX CONFIGURATION 1 OF 1	THU AUG 17 2017 UNITS ARE #A. FIELD : 1 2 3 4 5 6 RMS RADIIUS : 1.877 1.718 1.932 2.102 1.766 2.815 GEO RADIIUS : 5.840 6.784 6.482 6.127 13.009 18.591 SCALE BAR : 40 REFERENCE : CHIEF RAY	0825SMAC.ZMX CONFIGURATION 1 OF 1