

# SWIR 5012 M

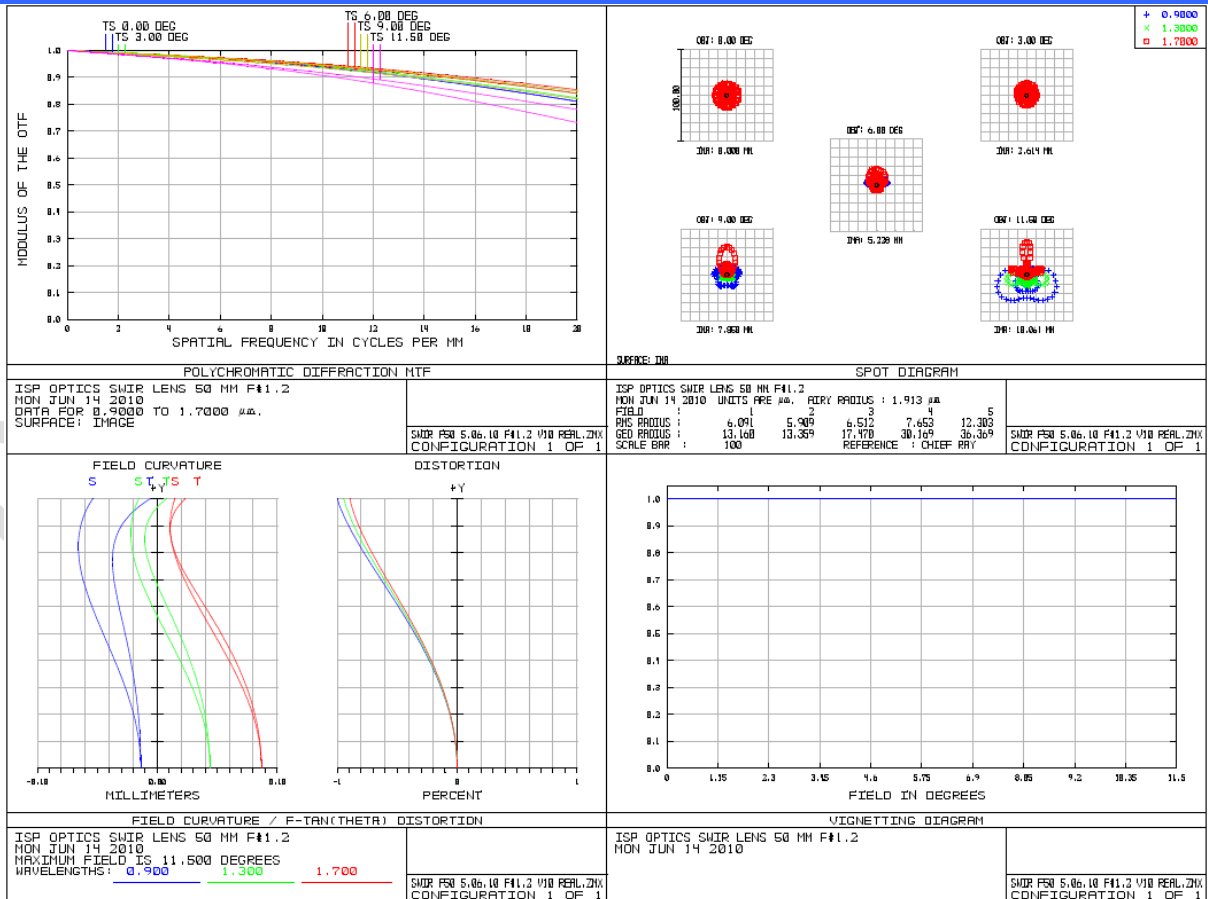
## SWIR 50mm F/1.2 Manual Focus Lens Module

# White Paper

PARAMETER		VALUE	NOTES
Main	Sub		

OPTICAL			
Focal Length / F#		50 / F1.2	Nominal values.
Detector (FPA) type / size		Up To 640 x 480 pixels x 25 u	Up to 20.0 mm diagonal.
Average Transmission		Greater than 88%	See optical coating below
Working Spectral Range		0.9 – 1.7 $\mu$	
FOV (degreed)		18.2°(H) x 13.7° (V)	Nominal paraxial calculation
Optical Coatings		Multi layer AR broadband AR per MIL C 48497	Front element coating available to comply with MIL C 675
Optical Total lens track		Approx 110 mm	Nominal
Optical Back Focal Length		Approx 18.27 mm	In air
Minimum Focus distance		1.0 m	

### Optical Performance Charts



*Under development*

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Weight of Optical Elements	Approx 240 grams	Nominal
Operating Temperature Range	-30 ° C to + 60 ° C	
Focus mechanism	Manual	Motorized version available