

75mmF1.0A Athermalized Lens TECHNICAL SPECIFICATION

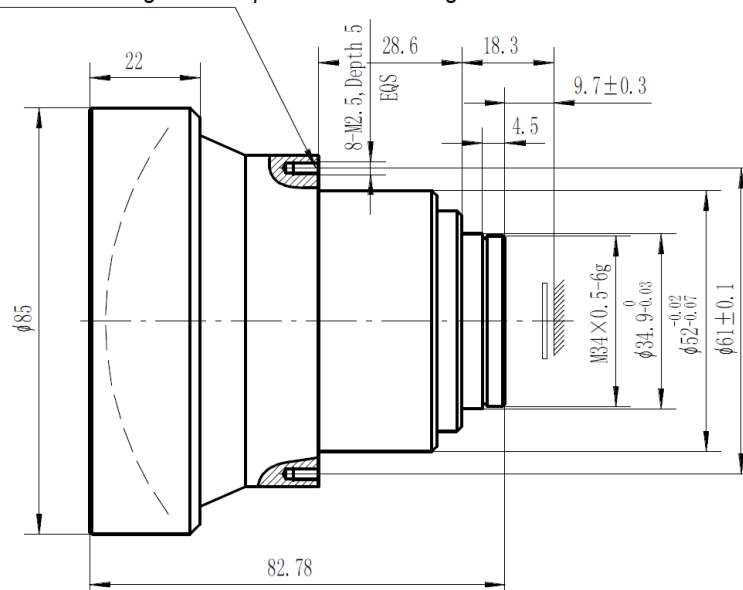
1. Optical Parameters

Optical Parameters	
EFL	75mm
F/#	1.0
Wavelength	8 μ m~12 μ m
Detector	640x512-17 μ m
FOV	8.3° x6.6°
External Coating	High Resistance AR
Average Transmittance	>88%
Working temperature	-40°~60° (Need not to refocus)
Minimum Working Distance	10m
Distortion	Maximum D-FOV Distortion:2%

2. Mechanical Parameters

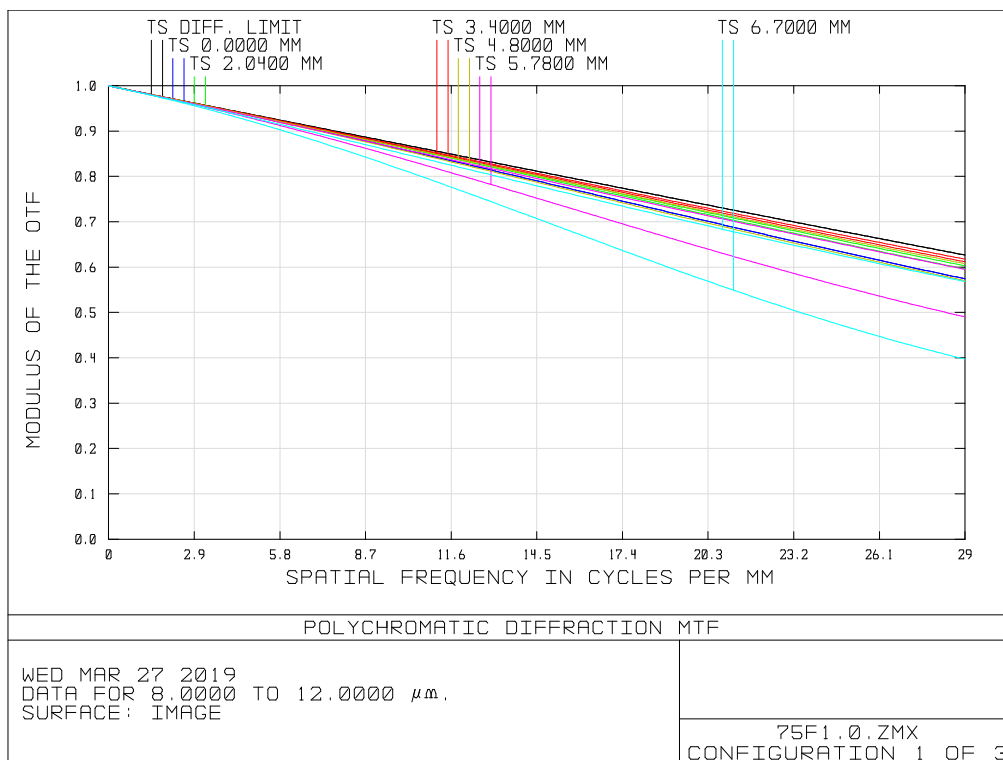
Mechanical Parameters	
Dimensions	Length:82.78,Diameter:Φ85
Sealing	IP67
Mount	M34x0.75-6g
Back Working Distance	9.7mm
Housing Material	Aluminum, Black anodized
Operation Temperature	-40° ~ +60°
Storage Temperature	-50° ~ +80°
Weight	-

Note: This Flange is an option for mounting lens

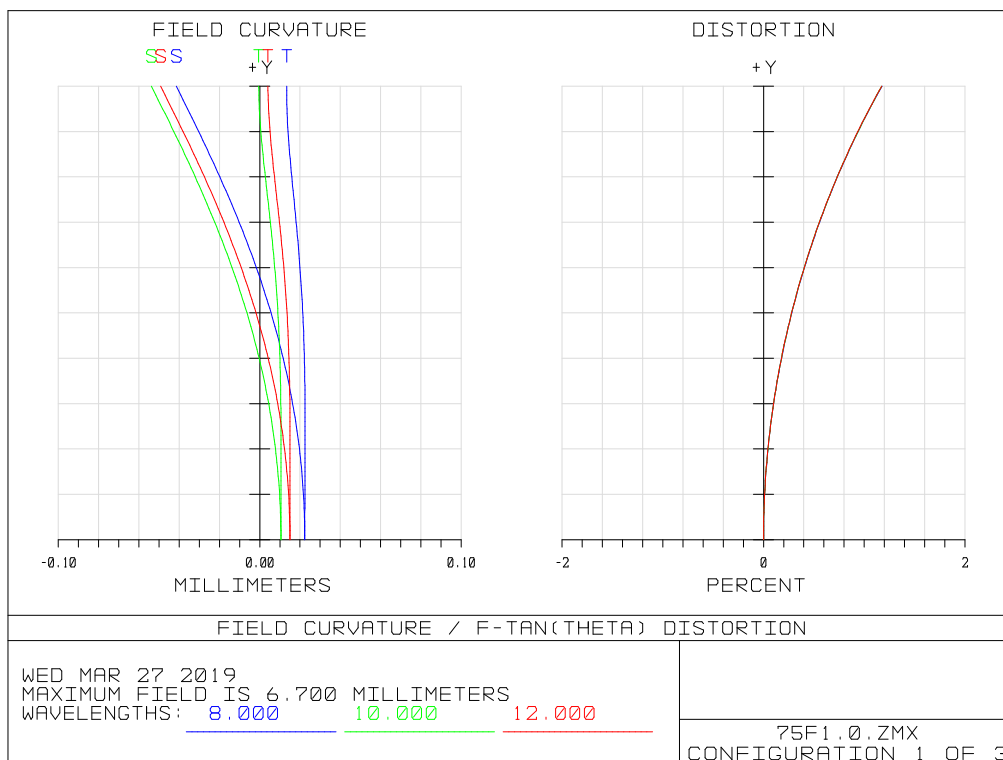


3. Performance

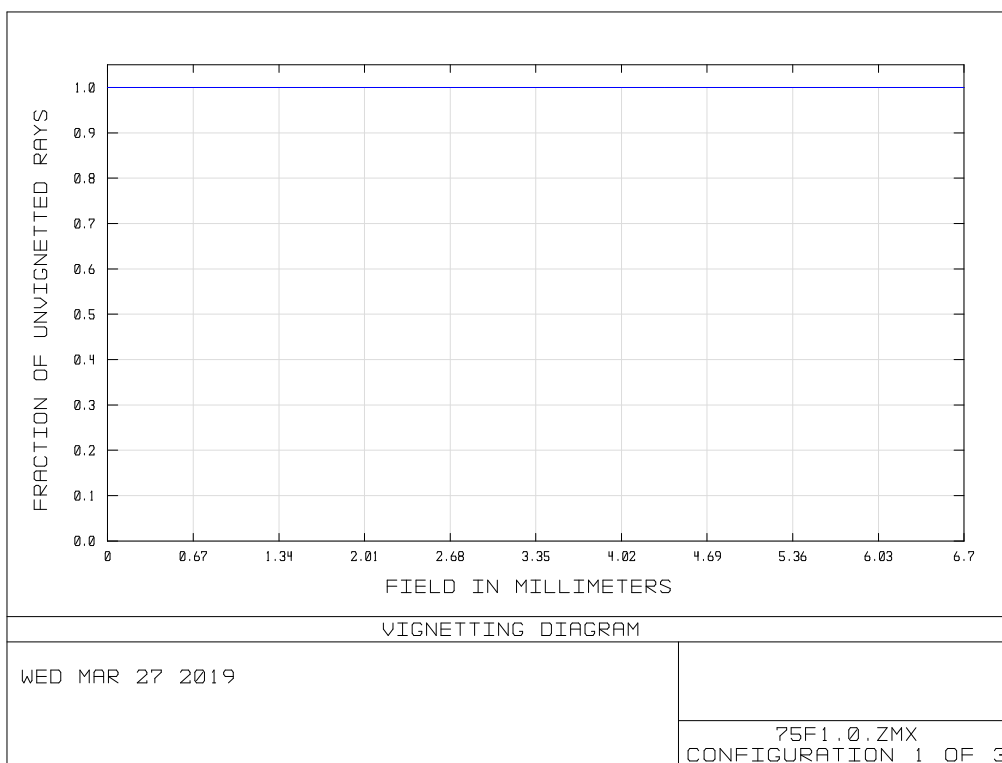
1). 20° MTF (@29lp/mm)



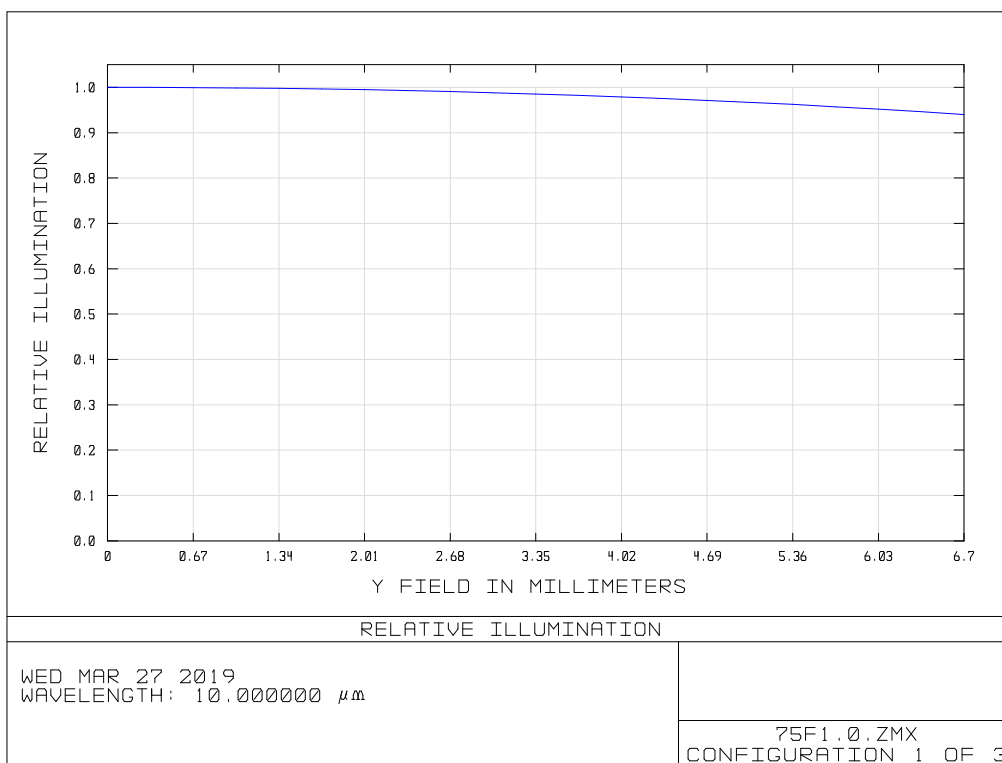
2). 20° Field curvature and distortion



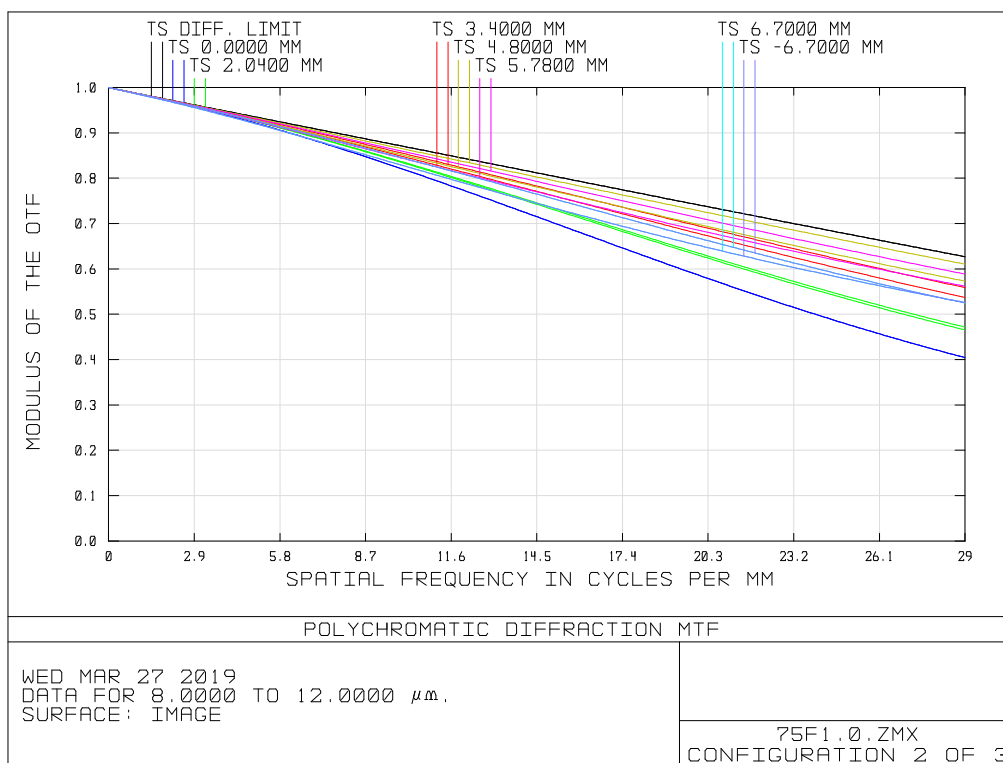
3). Vignetting



4). Relative Illumination



5). -40° MTF (@29lp/mm)



6). 60° MTF (@29lp/mm)

