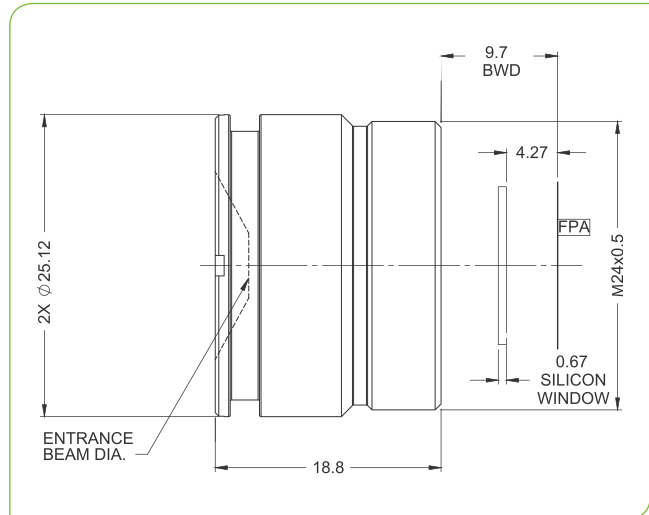


# SupIR 7.5mm f/1.4, Fixed Athermalized 680143

TYPICAL ICD\*



**HD**  
FORMAT



HFOV	320x240	384x288	640x480
17μ	42.1°	51.0°	90.2°
12μ	29.5°	35.5°	60.6°

LWIR | 1-FOV

Property			Value		
Optical					
Focal Length			7.5mm		
F#			1.4		
Average transmission (8-12μm)			89% (HC)		
Back Focal Length			11.97mm in air		
Mechanical					
Focus Mechanism			Fixed		
Depth of Field			2m to infinity		
Focus Range			0.2m to infinity		
Weight			see configurations table below		
Max. Dimensions			see configurations table below		
Environmental					
Operation Temperature			-40°C to +80°C		
Storage Temperature			-55°C to +85°C		
Sealing			IP 67 front element only		
Configurations	Weight (gr)	Dimensions	BWD**	Thread	Coating
680143-003	45	Ø34.9mm x 18.8mm	9.7	M34x0.5	HC
680143-006	21	Ø25.12mm x 18.8mm		M24x0.5; d = 6.16mm	
680143-007		Ø24.4mm x 18.8mm		M24x0.5; d = 3.3mm	
680143-008	50	Ø34.9mm x 22.1mm	6.64	M34x0.5	HC

\* The ICD drawing provided here is primarily a representation and may not accurately reflect the product's actual dimensions and specifications. For precise integration specifications contact your local sales representative.

\*\* The BWD value is calculated for a unique detector setup with varying sealing windows in terms of thickness and material. For more details, contact your local sales representative.