

LWIR A-Thermal – commercial off the shelf lens

RP-23A075

23 mm F/0.75 LWIR fast A-Thermal Lens
for long wave detectors

Features:

- True A-Thermal lens for -40°C to +70°C temperature range
- Rugged design for harsh environments
- High sensitivity F# as low as 0.75, supporting multiple detector formats



Optical		
Focal Length / F#	23 mm F/0.75	Nominal values
Detector (FPA) type / size	640 x 480 x17μ or smaller	8-14μ
FOV (degrees)	FOV: 27°(H) x 20.3°(V)	For: 640 x 480 x17 μ
	FOV: 19°(H) x 14.4°(V)	For: 640 x 480 x12 μ
Optical Coatings	All internal surfaces	High efficiency AR coating
	Front surface	High durability (HD) AR coating / DLC coating optional on request
Optical Back Focal Length	6.6 mm	
Mechanical		
Mechanical Back Focal Length		
Total Weight	110 grams	Nominal
Ext. Dimensions ø x length (mm)	Ø52 x 53	
Mount/ Mechanical Interface	Please refer to MICD	
Environmental		
Operating Temperature	-40°C to +70°C A-Thermal over the entire working range	
Storage Temperature	-40°C to +80°C	
Shock and Vibrations	Per applicable standard	
Front lens sealing	IP67	

*IFOV is indicated in mrad

**All values are nominal: to within ±5%