

Specification for IR Imaging Lens Assembly

Parameter	Requirement
Wavelength Band	3um to 5um
Effective Focal Length	100 ± 0.5 mm.
F/no.	2
MTF at Nyquist	≥ 70 %
Average Transmission in wavelength band	≥ 90 %
Back Working Distance	≥ 35 mm.
Flange to Focal Plane Distance	≥ 40 mm.
Focus Type	Manual
Detector Format	640 x 512
Pixel Pitch	15um
Lens barrel mounting interface	Thread Mounting

1. Simulated MTF curve at different spatial frequencies shall be provided
2. Spectral transmission shall be provided in excel format
3. Mechanical drawing and CAD model of lens assembly and mounting interface shall be provide
4. Delivery Period: 15 weeks after PO placement
5. Warranty : 12 months
6. If the vendor is not OEM, authorization certificate from OEM shall be provided

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