

500 mm Maksutov Lens for SWIR Waveband Data Sheet

Description

Beck Optronic Solutions has designed and manufactures a high performance fixed focal length lens suitable for detecting targets at long ranges in the SWIR waveband:

- Ruggedised for military use;
- Sealed to IP67;
- Can be modified to suit specific requirements.



Specification

Focal Length	500 mm
F/#	6.25
Maximum Detector Diagonal	12 mm
Field of View	1.10° x 0.83° with 640 x 480, 15 µm detector 1.47° x 1.17° with 1280 x 1024, 10 µm detector 1.83° x 1.47° with 1280 x 1024 x 12.5 µm detector
Average transmission, 0.9-1.6 µm	90%
Back Focal Distance	17.5 mm
Interface	C mount or as required
Focus Mechanism	Manual or motorised as an option
Mass	1.5 kg
Dimensions	200 mm long x 150 mm diameter
Operating Temperature	-30°C to +65°C
Storage Temperature	-40°C to +70°C

About Beck Optronic Solutions

Beck has a reputation for excellence in design and manufacture of precision optics that can be traced back over 175 years. Based near London, UK, Beck delivers complex, integrated electro-optic systems for defence and commercial use across the electromagnetic spectrum from UV to LWIR. **For pricing or further information please contact us at:**

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