

# 500mm Maksutov Lens for SWIR Waveband (0.9 -1.7 $\mu$ m) 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	500mm
F/#	6.25
Maximum detector diagonal	12mm
Field of view	1.1° x 0.8° with 384 x 288, 25 $\mu$ m pitch detector
Average Transmission, 0.9-1.6 $\mu$ m	90%
Back Focal Distance	17.5mm
Interface	C Mount or as required.
Focus mechanism	Manual or motorised as an option
Weight	1.5kg
Dimensions	200mm long x 150mm diameter
Operating temperature	-30°C to +65°C
Storage temperature	-40°C to +70°C

### About Beck Optronic Solutions

BOS has a reputation for excellence in design and manufacture of precision optics that can be traced back over 175 years. Based near London, UK, BOS 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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