Datasheet

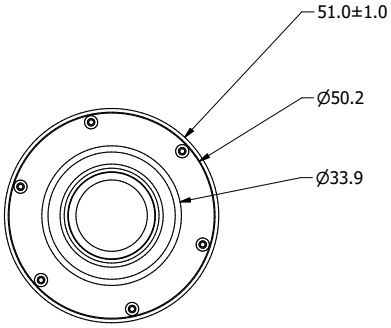
Wide temperature high-performance passive self-focusing optical system for solving agriculture, civilian and scientific tasks of remote sensing. This optical system has the possibility to work with stable MTF in range of temperature from -60°C ~ +60°C.

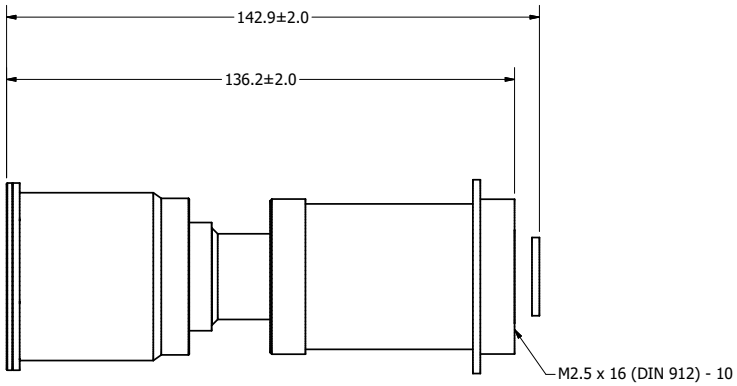
FEATURES

- Compact size
- Radiation tolerance: TDI > 50krad
- **Passive auto focusing system**
- Can be used in deep space missions

SPECIFICATIONS

Dimensions (maximum)	Ø 51 ± 1 mm, L = 142.9 ± 2 mm
Mass	250 ± 10 g
Spectral band working range	400~900 nm
Spectral band optimized	410, 555, 670, 860 nm
Field of View	12°
Focal length	76.5 mm
Operating conditions	-60°C ~ +60°C, vacuum
Optic scheme design	6 elements, 3 groups
Length of focal plate	92mm
Entry/Clear aperture	17.4 / 16 mm
Image size	13.4 x 13.4 (Ø 19 mm)
MTF @ 77lB	> 0.4
Distortion	< 1%





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