

Low Profile Multi-Megapixel Imaging Lens



Description

The DSL944 is a multi-element glass lens optimized for 1/2.5" imagers with up to 5MP resolution. The low profile and light weight construction of the DSL944 is ideal for space constrained and weight sensitive applications.

Key Features

- Compact Size
- All-glass construction optimizes thermal stability

Optical Specifications

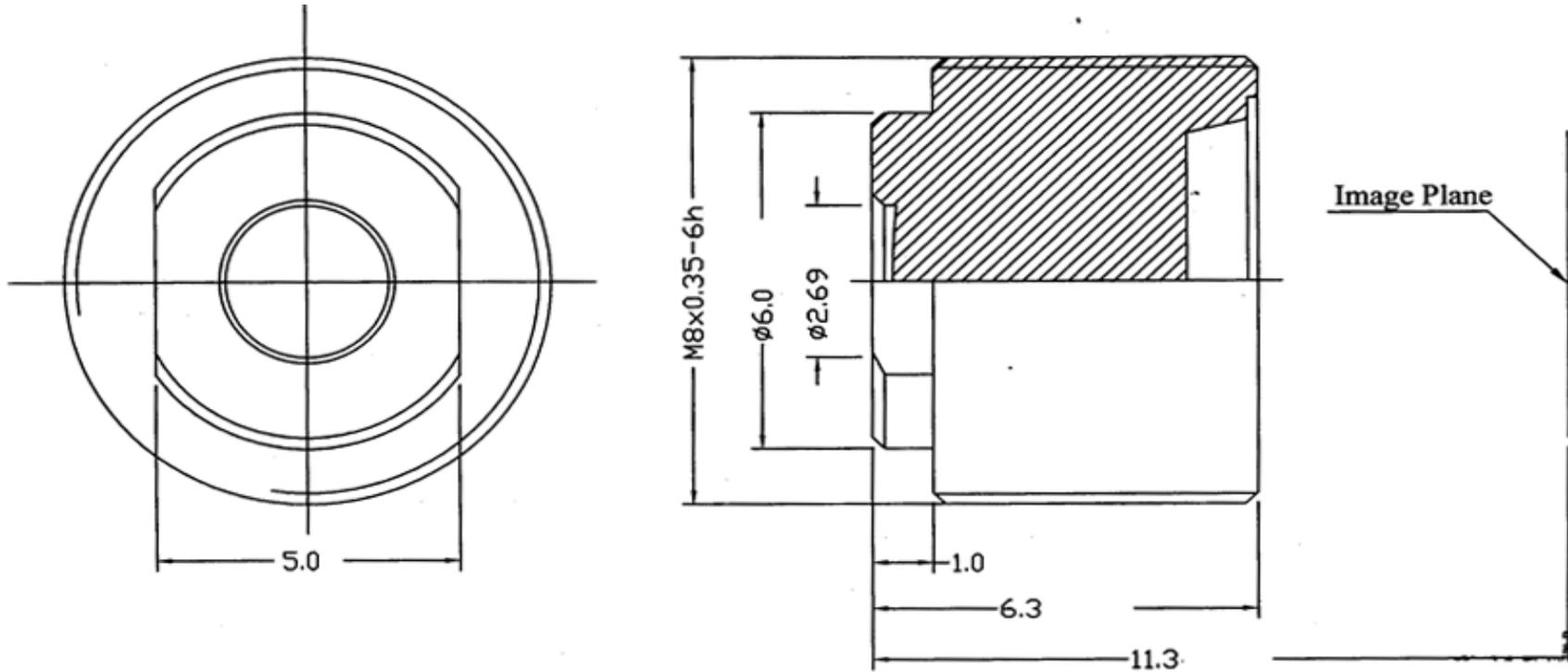
Sunex PN DSL944	
Description	Low-Profile Glass Lens
Imager Format	Up to 1/2.5"
Nominal Imager Resolution	5MP
Focal Length	7.5mm
Relative Aperture (F/#)	F/2.8
Image Circle	7.2mm
Field of View	55° at 7.2mm image circle
Total Track Length	11.3mm
Distortion	<2%
Chief Ray Angle	17° at 7.2mm image circle, linear
IR cut-off filter	Optional 650nm IR cutoff coating

Applications

- Machine Vision
- Consumer cameras
- Drone cameras

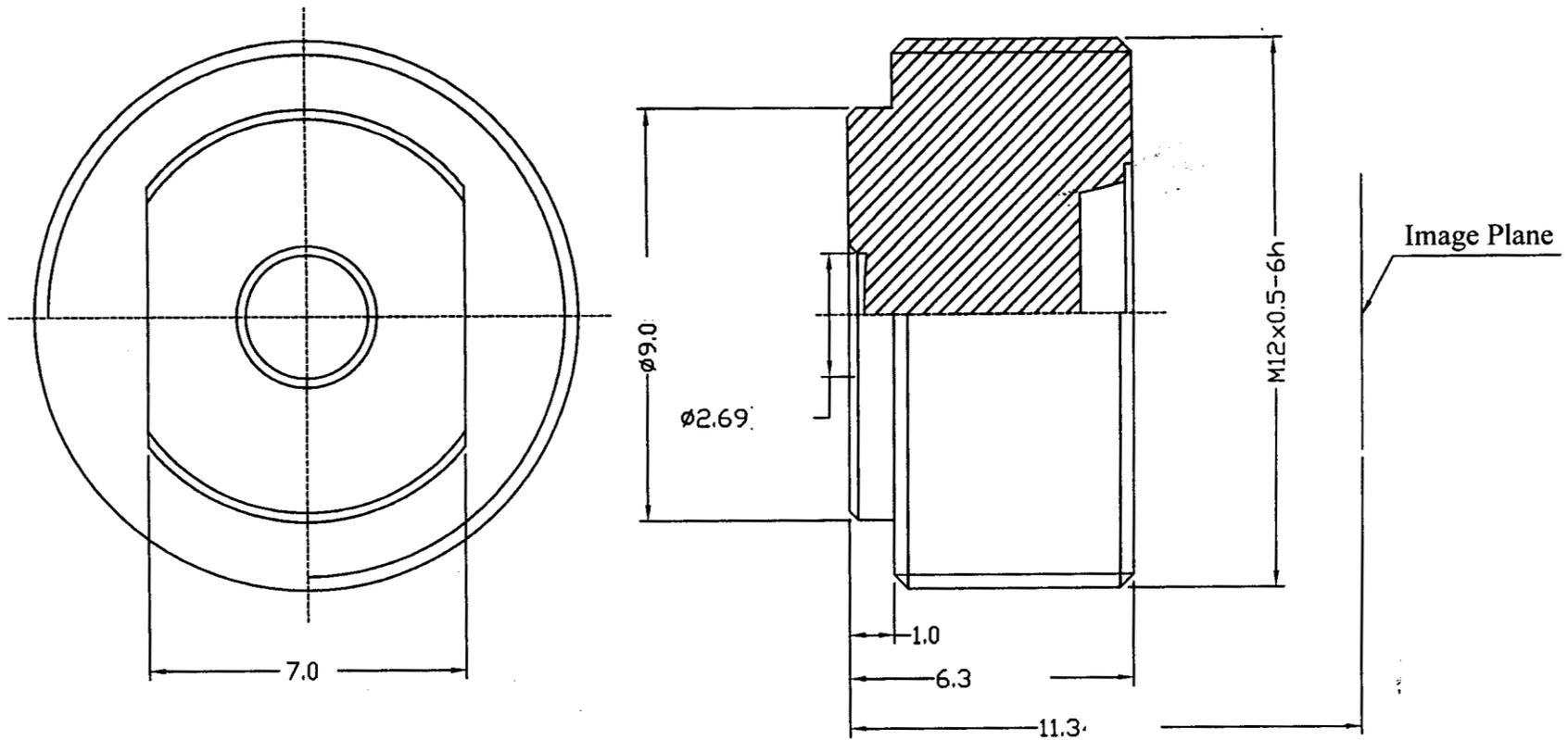
DSL944B-650-F2.8 and DSL944B-NIR-F2.8 Mechanical Dimensions [mm]:

Note: DSL944B is intended for use with Sunex CMT233 or CMT683 mounts

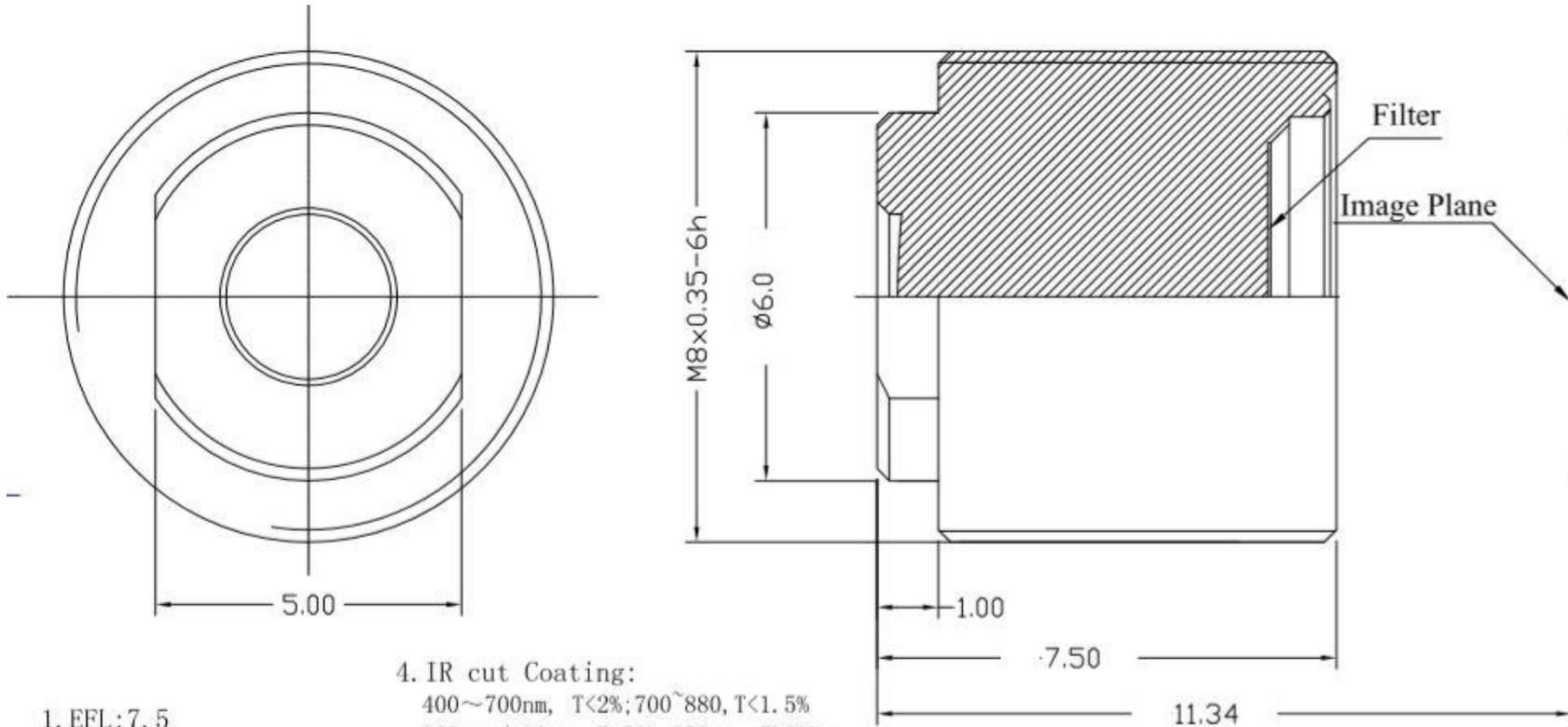


DSL944C-650-F2.8 and DSL944C-NIR-F2.8 Mechanical Dimensions [mm]:

Note: DSL944C is intended for use with Sunex CMT821 and CMT822 mounts



DSL944D-BP940-F2.8 Mechanical Dimensions [mm]:



1. EFL: 7.5
2. F/#: 2.8
3. Barrel material: AL6061

4. IR cut Coating:
400~700nm, T<2%; 700~880, T<1.5%
920nm±10nm, T=50%; 950nm, T>80%;
980nm±10nm, T=50%;
Single peak: FWHM=60±15nm;
1000~1100nm, T<1.5%;