

Miniature HD Lens



Description

The DSL853 lens is a multi-element glass lens optimized for 1/2" CMOS imagers with HD resolution. This lens is especially well suited for building cost effective, compact camera solutions with thermal performance constraints.

Key Features

- Low profile construction.
- All-glass to optimize thermal stability.

Optical Specifications

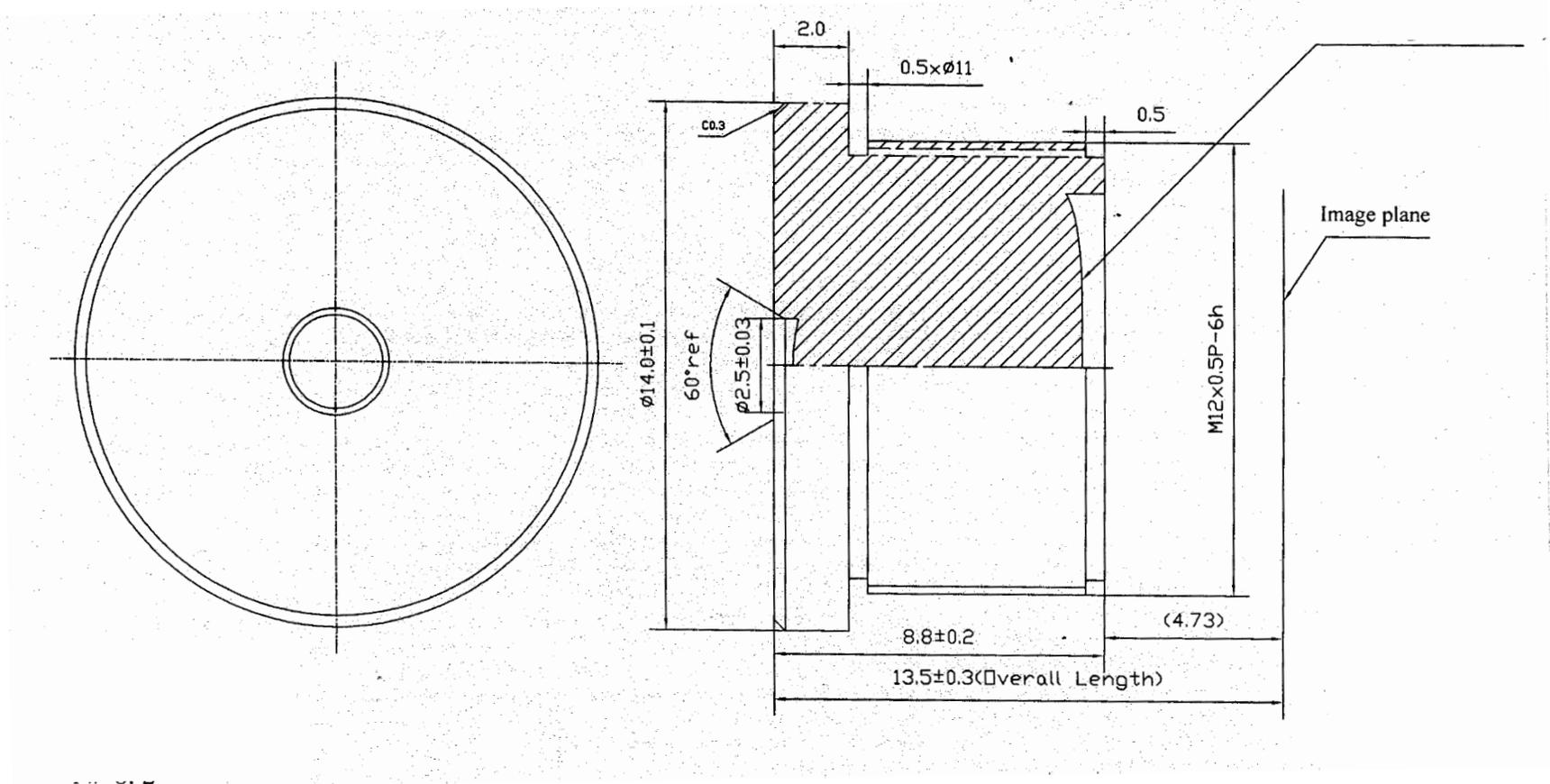
Sunex PN DSL853	
Description	Low-profile lens
Imager Format	Up to 1/2"
Nominal Imager Resolution	1.3MP
Focal Length	8.0mm
Relative Aperture (F/#)	F/3.2
Image Circle	8.0mm
Field of View	53° at 8.0mm image circle
Total Track Length	12.9mm
Distortion	<2% rectilinear
Chief Ray Angle	13° at 8.0mm image circle, linear
IR cut-off filter	Optional 650nm IR cutoff coating

Applications

- Wearable Cameras
- Biometric and Security
- Machine Vision

DSL853B-650-F3.2 and DSL853B-NIR-F3.2 Mechanical Dimensions [mm]:

Note: DSL853B is intended for use with Sunex CMT821 mount



DSL853C-650-F3.2 and DSL853C-NIR-F3.2 Mechanical Dimensions [mm]:

Note: DSL853C is intended for use with Sunex CMT821 or CMT822 mounts

