

Compact DSC lens for CMOS/CCD imagers

Description

The DSL819 lens is a multi-element, glass lens optimized for CCD/CMOS imagers with 1/3.4" format. Its low-profile design is especially suited to building low-cost, compact digital cameras.

Key Features

- Overall length 8.6mm from lens front physical surface to the image plane
- All glass elements: compatible with outdoor environment
- F/2.8: long depth of focus, optimized for focus operation
- High image quality
- Low-cost

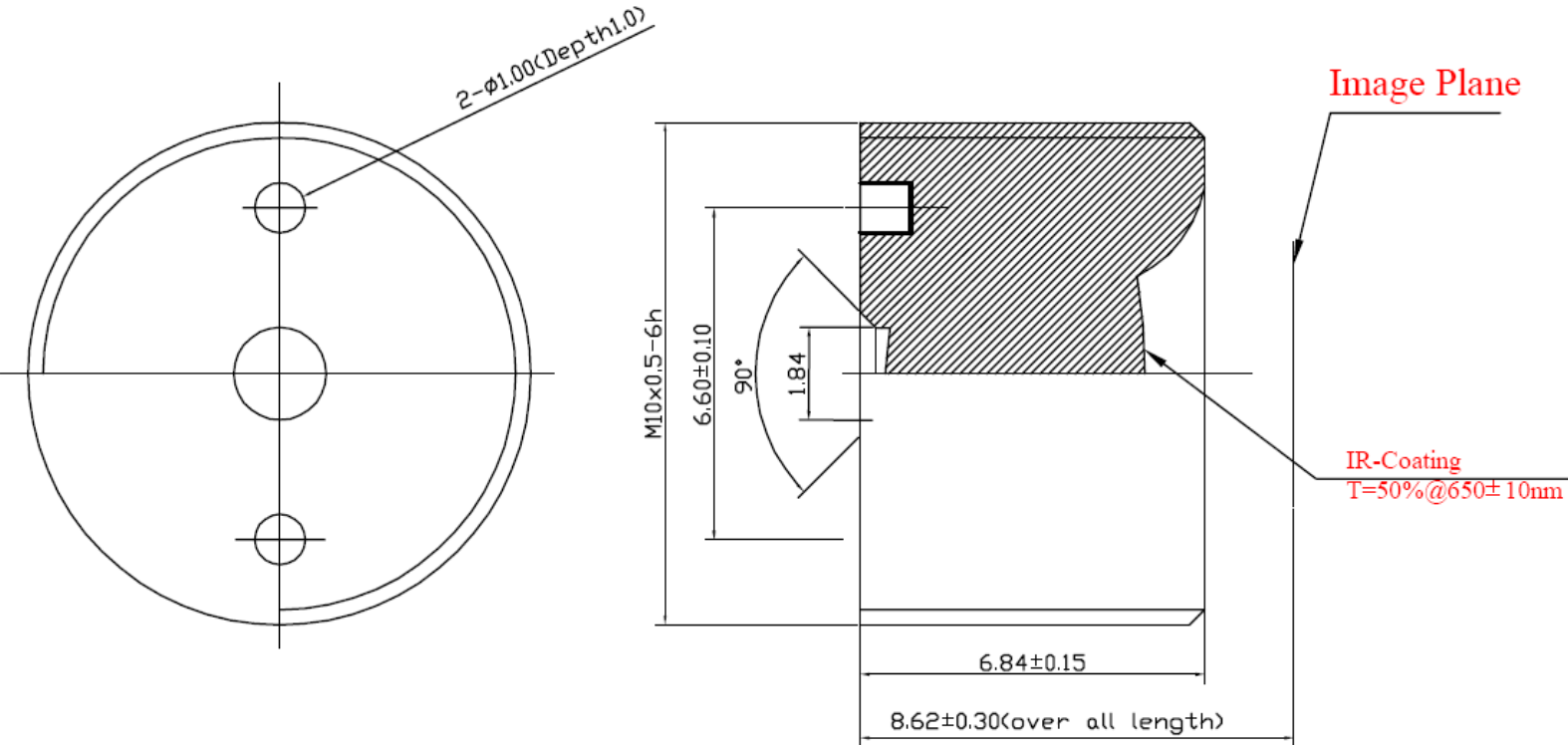
Applications

- Mobile phone cameras
- PDA cameras
- Compact digital still cameras.

Optical specifications

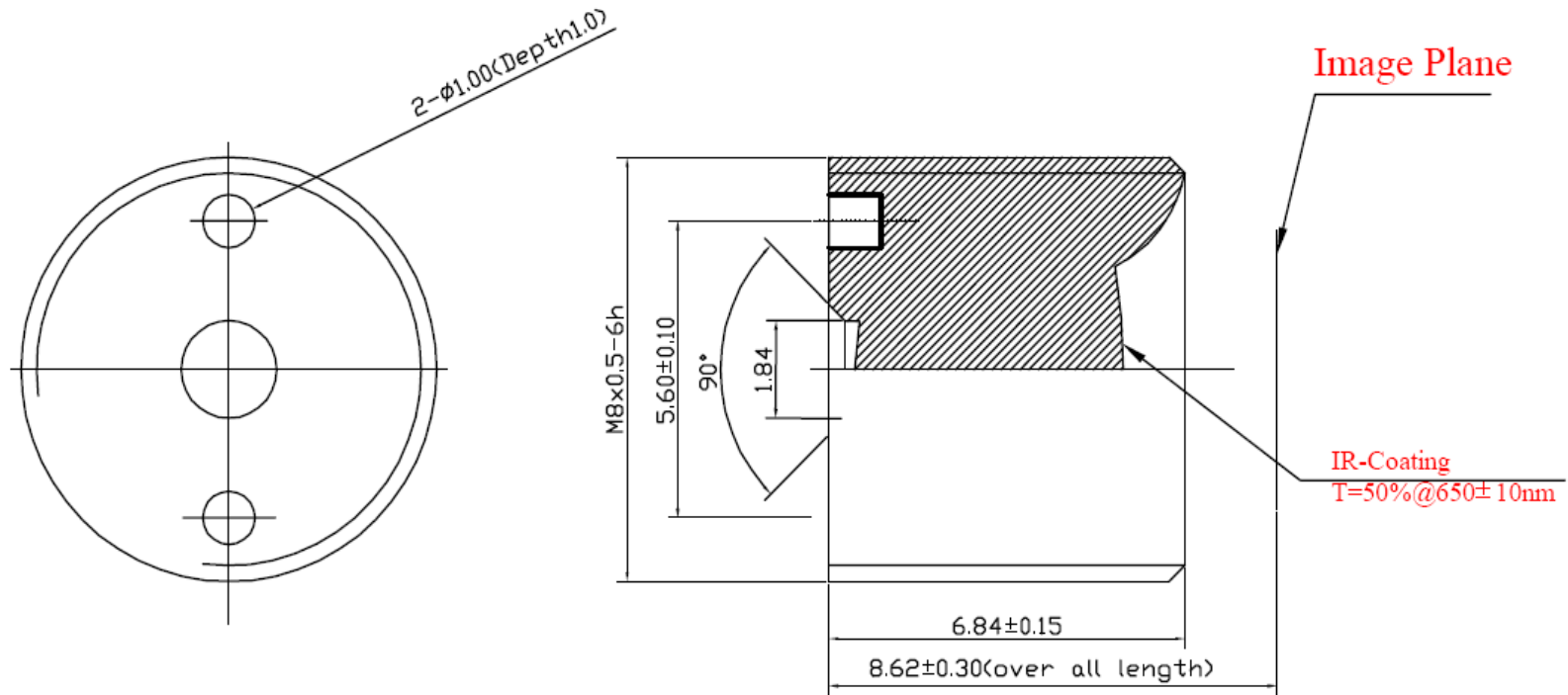
PN	DSL819
Description	Low-profile DSC lens
Imager Format	1/3.4"
Focal length (mm)	5.1
F/#	2.8
Design Image Circle (mm)	5.3
Diagonal Field of View (deg)	52.5
35mm Equivalent Focal Length (mm)	42
Modulation Transfer Function (MTF)	See MTF data for details
Resolution	See MTF data for details
Distortion	0.56%
Corner chief ray angle (deg)	12
Relative Illumination	60%
Mechanical	See below
Filter Option	IR-cut coating included
Lens mount option	Optional

Mechanical Dimension (DSL819A version):



Mechanical Dimension (DSL819B version):

Barrel Material: LY12



Mechanical Dimension (DSL819B-NIR version):

Barrel Material: LY12

