

### Miniature Low Distortion Lens



### Description

The DSL823 is an all glass lens optimized for use on an imager with 1/2.7" format size. It is especially suited for building low-cost, compact digital still cameras because of the low-profile property of the lens design. It is also suitable for compact scanners and machine vision applications.

### Key Features

- Total track length of 10.4 mm
- All glass design optimizes thermal stability

### Optical Specifications

Sunex PN DSL823	
Description	Low-profile DSC lens
Imager Format	1/2.7"
Nominal Imager Resolution	1.3MP
Focal Length	6.3mm
Relative Aperture (F/#)	F/3.0
Image Circle	7.1mm
Field of View	46° at 5.4 mm image circle 59° at 7.1 mm image circle
Total Track Length	10.4mm
Distortion	<0.5% rectilinear
Chief Ray Angle	14° at 7.1mm image circle, linear
IR cut-off filter	Optional 670 nm cutoff filter

### Applications

- Digital Still Cameras
- Scanners
- Machine Vision

## DSL823A-670-F3.0 Mechanical Dimensions [mm]:

Note: DSL823A is intended for use with Sunex CMT801 mount

