Free Space Optical Retroreflector

740-900nm, 800-1040nm, 1020-1100nm, 1250-1650nm

DATASHEET

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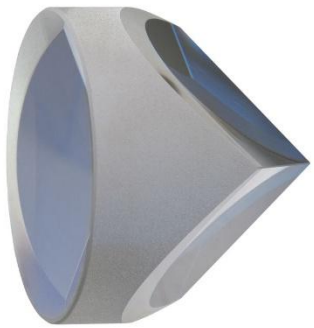
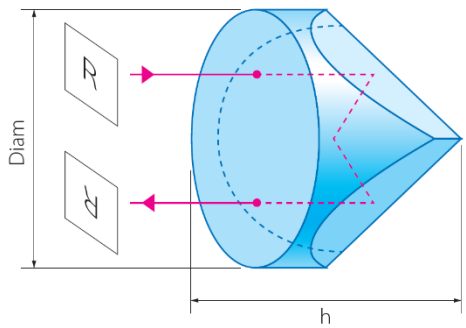


The FSRF free space optical retroreflectors reflect a light beam back 180° toward its original direction, achieved through prism total internal reflections. It is available in two aperture sizes: 10 mm and 25.4 mm in diameter. We have stocked wavelength bands: 740-900nm, 800-1040nm, 1020-1100nm, 1250-1650nm. Other wavelength bands are available as special orders. A mounted version is also offered for ease of use.



Applications

- Instrumentation
- Delay Line
- Sensors

Features

- Low Insertion Loss
- High Power
- High Reliability
- Low Cost
- Environmental Stability

Specifications

Parameter	Min	Typical	Max	Unit
Reflectance (at 633 nm)		98		%
Wavelength Range	400		2500	nm
Material		Glass		dB
Mounting Type		Threaded, adhesive mount		
Angle of Incidence		Perpendicular to the surface		
Temperature Range	-40		80	°C
Maximum Power Handling (continuous)		10W		°C

Rev 05/01/25

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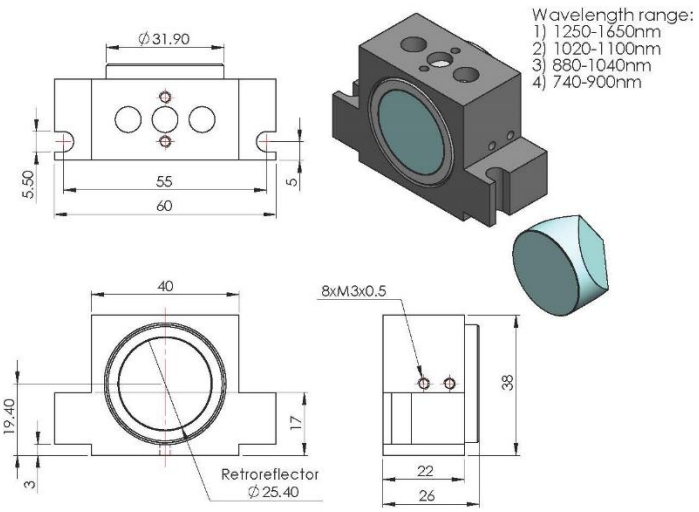
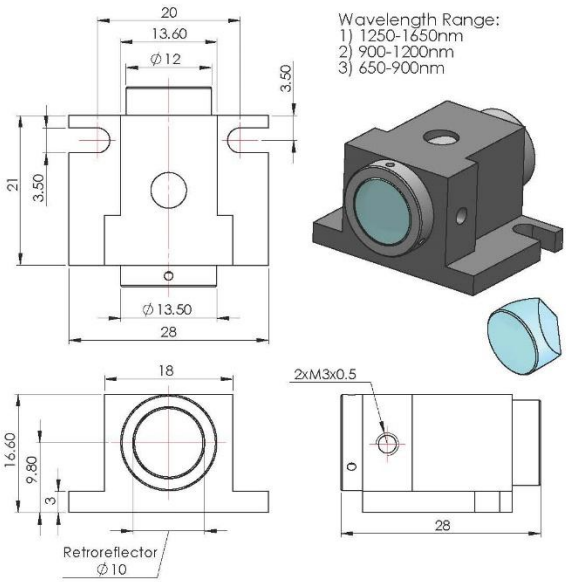
Dimensions (mm)

■ Ø 25.4mm



■ Ø 10mm



*Product dimensions may change without notice. This is sometimes required for non-standard specifications.

Ordering Information (Part Number)

	☐	☐	☐☐	11	11	1
Prefix	**Diameter**	**Wavelength**	**Mounting Bracket**			
FSRF-	10 mm = 1 25.4 mm = 2	740-900nm = 7 800-1040nm = 8 1020-1100nm = 1 1250-1650nm = 5 Special = 0	Non = 11 Yes = 22			

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