



Free Space Light Receiver

I&Optics' free space light receiver can collect light over a large free space range due to the unique design of numerical aperture. Meanwhile, the module can also provide long working distance upon request. It features high transmission ratio, large view field and long working distance. It can be used in lasers, LiDARs, free space telecom, sensors, instruments, testing systems and R&D.

Specification

Parameter	Test Condition	Unit	Value
Port Configuration	-	-	Free Space, 1 in 1 out
Nominal Center Wavelength	-	nm	633, 780, 850, 980, 1064, 1310, 1550, 2000 or Specify
Operating Wavelength Range	-	nm	+/-30
Min. Transmission Ratio	-	%	90, Typ. 93
Max. Divergence Angle of Input Light	on Input Port	rad	0.15, 0.22 or Specify
Max. Beam Width of Input Light	on Input Port	mm	2 or Specify
Max. Power Handling Rate	CW, Total Power	mW	500 or Specify
Max. Fiber Tensile Load	-	N	5
Operating Temperature	-	°C	-5 to 70
Storage Temperature	-	°C	-40 to 85

Above specifications are for device without protecting windows. Windows are available upon request.

Package Dimensions

Depent on the clear aperture and application. Typical Dimensions are Dia.20.0mm x L20.0mm with mounting screw M3.

We are very pleased to do our best to provide customized package for optimizing.

Ordering Informations

FSLR-①-②-③-④-⑤

① - Center Wavelength	② - Input Divergence Angle	③ - Input Beam Width	⑤ - Output Beam Width
63 - 633nm	15 - 0.15	10 - 1.0mm	03 - 0.3mm
78 - 780nm	22 - 0.22	20 - 2.0mm	05 - 0.5mm
85 - 850nm	SS - Specify	SS - Specify	SS - Specify
98 - 980nm			
06 - 1064nm		④ - Working Distance	
31 - 1310nm		20 - 20mm	
55 - 1550nm		SS - Specify	
20 - 2000nm			
SS - Specify			