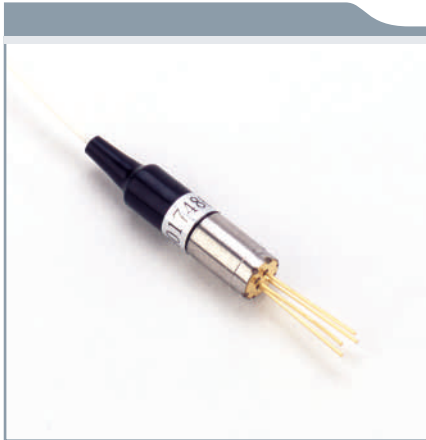


R-11-075-R-SFC/ SC/ ST • R-11-075-P-SFC/ SC/ ST



Features

- InGaAs/ InP PIN Photodiode
- High responsivity at 1310 nm and 1550 nm
- Low dark current
- Fast pulse response
- -40 to +85°C operating temperature
- Hermetically sealed 3-pin metal case

Packaging

- FC/ ST/ SC receptacle package
- SM/ MM fiber pigtailed with optional FC/ ST/ SC connector

Absolute Maximum Ratings ($T_c = 25^\circ\text{C}$)

Parameter	Symbol	Value	Unit
Reverse voltage	V_R	15	V
Forward Current	I_F	2	mA
Reverse Current	I_R	1	mA
Operating Temperature	T_{opr}	-40 to +85	$^\circ\text{C}$
Storage Temperature	T_{stg}	-40 to +85	$^\circ\text{C}$

Optical and Electrical Characteristics ($T_c = 25^\circ\text{C}$)

Parameter	Symbol	Min	Typ	Max	Unit	Test Condition
Detection Range		1100	1310	1650	nm	-
Responsivity	R	0.8	0.85	-	A/W	$V_R = 5\text{V}$, $\lambda = 1310\text{ nm}$
Dark Current	I_{dark}	-	0.5	0.8	nA	$V_R = 5\text{V}$
Capacitance	C	-	0.7	0.9	pF	$V_R = 5\text{V}$
Rise, Fall Time	t_r , t_f	-	-	0.5	ns	$V_R = 5\text{V}$, 10% to 90%
Bandwidth	BW	2	-	-	GHz	$V_R = 5\text{V}$

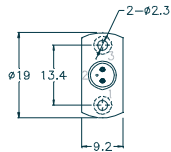
All optical data refer to a coupled 9/125 μm SM fiber

Connector Options

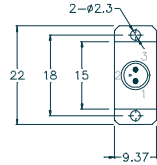
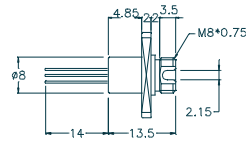
Model	Package	Fiber	Connector
R-11-075-R-SFC	Receptacle	-	FC
R-11-075-R-SST			ST
R-11-075-R-SSC			SC
R-11-075-P-SFC	Pigtailed	SM	FC
R-11-075-P-SST			ST
R-11-075-P-SSC			SC
R-11-075-P-S			(None)
R-11-075-P-MFC		MM	FC
R-11-075-P-MST			ST
R-11-075-P-MSC			SC
R-11-075-P-M			(None)

R-11-075-R-SFC/ SC/ ST • R-11-075-P-SFC/ SC/ ST

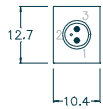
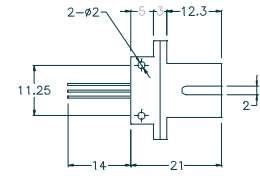
Outline Drawing InGaAs PD Modules-receptacle



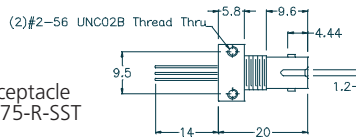
FC Receptacle
R-11-075-R-SFC



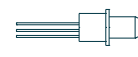
SC Receptacle
R-11-075-R-SSC



ST Receptacle
R-11-075-R-SST



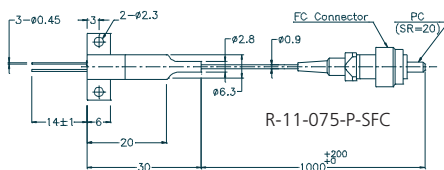
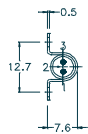
Customer Specified



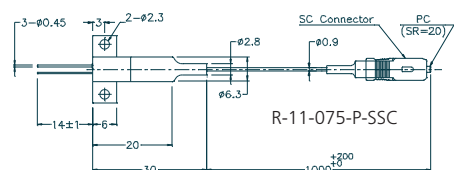
Pin Assignment
1~PD (-)
2~CASE
3~PD (+)

Note: Pin assignment can be customized.
*Units in mm

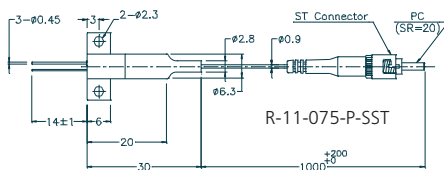
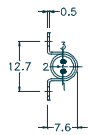
InGaAs PD Modules-pigtailed



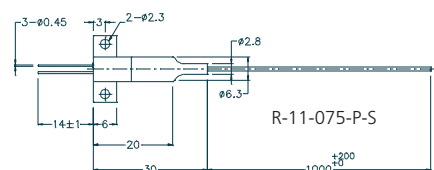
R-11-075-P-SFC



R-11-075-P-SSC



R-11-075-P-SST



R-11-075-P-S

*Units in mm

Warnings

Handling Precautions: This device is susceptible to damage as a result of electrostatic discharge (ESD). A static free environment is highly recommended. Follow guidelines according to proper ESD procedures.

Legal Notice

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