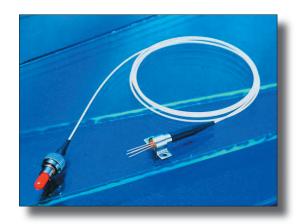
R-11-055X-P-SXX/XXX-X-XX



Features

- InGaAs/InP PIN Photodiode
- High responsivity at 1310nm and 1550nm
- Low dark current
- Low intermodulation distortion
- High responsivity
- Hermetically sealed 3-pin metal case
- SM fiber pigtailed with optional FC/ST/SC connector
- RoHS Compliant available

Absolute Maximum Ratings (Tc=25°C)								
Parameter	Symbol	Rating	Unit					
Supply Reverse voltage	V _R	20	V					
Forward Current	I _F	2	mA					
Reverse Current	I _R	1	mA					
Operating Temperature	T _{opr}	-40 ~ +85	°C					
Storage Temperature	T _{stg}	-40 ~ +85	°C					

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

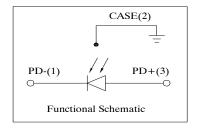
Optical and Electrical Characteristics (Tc=25°C)							
Parameter	Symbol	Min	Тур	Max	Unit	Test Conditions	
Active Area (Dia)		-	55	-	μm	-	
Detection Range		1100	1310	1650	nm	-	
Responsivity	R	0.75	0.8	-	A/W	V _R =5V, λ=1310nm	
Dark Current	I _{dark}	-	-	0.8	nA	V _R =5V	
Capacitance	Ct	-	0.8	-	pF	V _R =5V	
Rise/Fall Time	t/t _f	-	-	0.3	ns	V _R =5V, 10%~90%	
Bandwidth	BW	3	-	-	GHz	V _R =5V	
Optical Return Loss	ORL	40	-	-	dB	λ=1310nm	

Note: 1.Specifications subject to change without notice.

rev. A.1

R-11-055X-P-SXX/XXX-X-XX

PD Pin Assignment



Pin Assignment

1~PD(-)

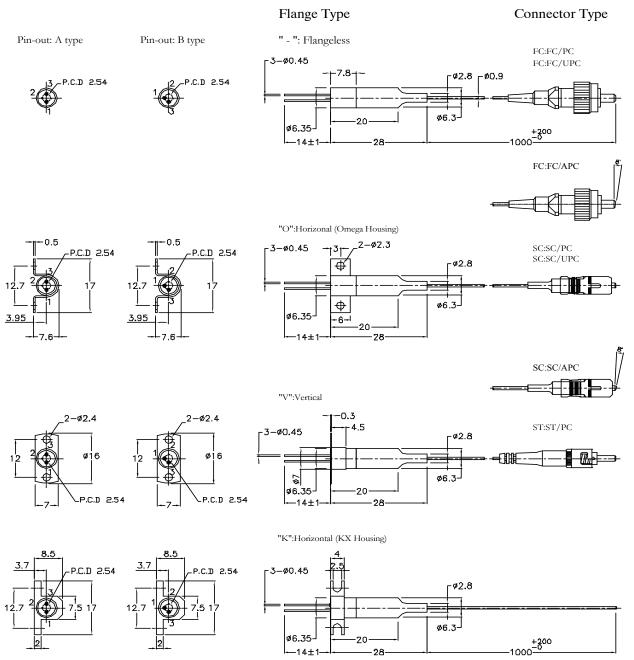
2~CASE

3~PD(+)

Packaging Dimension

Units in mm.

Part Number: R-11-055X-P-SXX/XXX-X-XX



R-11-055X-P-SXX/XXX-X-XX

Ordering Information



Package Co

Connector FC/ST/SC/-

Pin Aaaignment
" - ": A Type

"B" : B Type

ent Fiber Application S=SM 9/125μm Face

" - " = PC Fiber APC = APC Fiber UPC = UPC Fiber Flange

"-": without flange
"O": O Type flange
"V": V Type flange

"K" : K Type flange

RoHS Compliant -/G5/GR

Blank = RoHS non-compliant product

G5 = RoHS 5/6-compliant product (lead exemption)

GR = Full RoHS compliant product (no exemption)

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.

Laser Safety: Radiation emitted by laser devices can be dangerous to human eyes. Avoid eye exposure to direct or indirect radiation.

Legal Notice

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