T-11-2315T-04-XX



Features

- InGaAs/InP PIN Photodiode with transimpedance amplifer
- High Responsivity
- Single +5V operation
- -40~85°C operating temperature
- Single mode / Multi mode Application
- High Speed
- 8 Pin Package with ST Port
- ATM receiver / transceiver
- Fast ethernet receiver / transceiver
- RoHS Compliant available

Absolute Maximum Ratings (Tc=25°C)				
Parameter	Symbol	Rating	Unit	
Supply Voltage	V _{cc}	6	V	
Operating Temperature	T _{opr}	-40 ~ 85	°C	
Storage Temperature	T _{stg}	-40 ~ 85	°C	

DC Electrical Characteristics (Tc=25°C)					
Parameter	Symbol	Min.	Тур.	Max.	Unit
Power Supply	V _{cc}	4.5	5	5.5	V
Supply Current (no load)	I _{cc}	-	-	35	mA

(Operating at V_{cc} =5V , T_c =25 °C , λ =1.3 μ m , 9/125 μ m SM fiber)

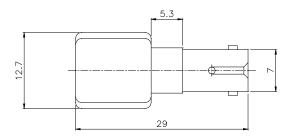
Optical and Electrical Characteristics (Tc=25°C)						
Parameter	Symbol	Min	Тур	Max	Unit	Test Conditions
Detection Range		1100	1310	1650	nm	-
Gain@10Mbps Differential	G	7	11	13.5	V/mW	λ= 1310nm
Bandwidth	BW	120	240	-	MHz	$P_f = 1 \mu W$
Saturation Power	Psat	-11	-	-	dBm	λ= 1300nm
Sensitivity	Sens	-	-31	-28	dBm	BER=10 ⁻¹⁰ @155Mbps
Power Supply Rejection Ratio	PSRR	20	-	-	dB	-
Rise/Fall Time	t _/ /t _f	-	1.5	2.0	ns	10%~90%
Output Resistance		-	50	65	ohm	-

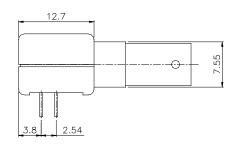
Note: 1.Pin assignment can be custom specified.

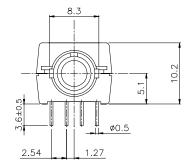
- 2.ESD precasutions must be taken when handling this product.
- 3. Specifications subject to change with notice.

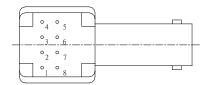
T-11-2315T-04-XX

Mechanic Dimensions: mm



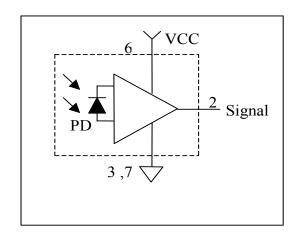






Pinout Assignment

PIN	FUNCTION
1	N.C.
2	SIGNAL
3	GND
4	N.C.
5	N.C.
6	VCC
7	GND
8	N.C.



Functional Schematic

T-11-2315T-04-XX

Ordering Information

T-11-2315T-04-XX

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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