LUXNET CORPORATION

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850 nm 2.5Gbps 3-Pin ST ROSA

MG2X-9013-J Series

TYPE NAME: MG2X-9013-J

Product Description:

The LuxNet MG2X-9013-x ROSA is designed applications. This device packaged our high-speed 850 nm MPIN detector into a TO-46 header with cap window. The ROSA can be integrated with ST types of ports engaged with a fiber connector to transmit the light from fiber through a receptacle into the PIN detector with high coupling efficiency.

Product Specifications:

Absolute Maximum Ratings (T = 25°C):

Parameter	Symbol	Unit	Min.	Max.	Note
Operating Temperature	T_{op}	°C	-40	85	
Storage Temperature	T_{stg}	°C	-40	100	
Solder Reflow Temperature	T_{stg}	°C		260	10 seconds max.
Forward Current	I_f	mA		10	
Reverse Voltage	V_R	V		20	

Electro-Optical Characteristics (T = 25°C, unless noted otherwise):

Parameter	Symbol	Unit	Min.	Typ.	Max.	Test Condition
Responsivity	R	A/W	0.50			λ = 850 nm
Dark Current	I_D	nA		0.1	1.0	V_R = 5 V
Breakdown Voltage	V_B	V	50			I_R = 1 μA
Capacitance	C	pF		0.65	0.75	V_R=2V, f=1MHz
Rise/Fall Time	τ_r/τ_f	ps		100	130	V_R=2V (20%-80%)
Cut-off Frequency	f_C	GHz	2.7	3.5		V_R=2V, R_L=50Ω

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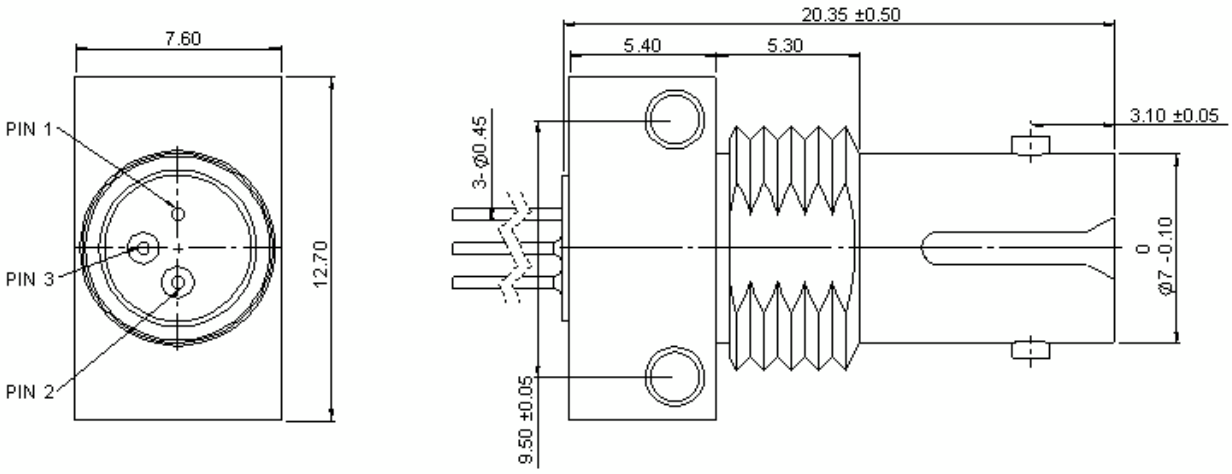
MG2X-9013-J (ST-ROSA)

Dimensions: (mm)
All dimensions are nominal



PINOUT

MG2X-9013-J	
Number	Function
1	GND(Case)
2	PD Anode(PD+)
3	PD Cathode(PD-)