

TRR-1F51-751

155Mbps LC Connectorized InGaAs PIN plus AGC Pre-amplifier

FEATURES:

- Pre-aligned LC-type receptacle for optical fiber communication.
- Design for Small Form Factor transceivers.
- Suitable for long wavelength 100/155Mbps applications.
- Photocurrent monitoring available
- Supports 3.3V and 5.0V applications.



ELECTRO-OPTICAL CHARACTERISTICS: (Typical values are at +3.3V@ 25°C)

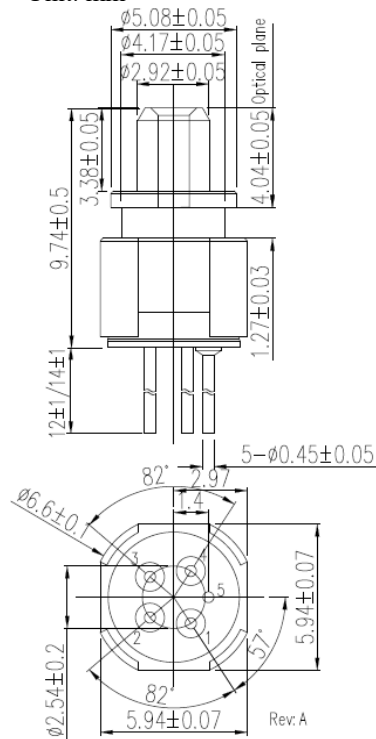
PARAMETERS	SYMBOL	MIN	TYP	MAX	UNIT	TEST CONDITIONS
Power Supply	V _{CC}	3.0	3.3	5.5	V	
Supply Current	I _{CC}			36	mA	no loads
Differential Responsivity	R _d	20		54	mV/μW	R _{load} = 100ohm, P = -33dBm, λ=1310nm
Single Ended Responsivity	R _s	10		27	mV/μW	R _{load} = 50ohm, P = -33dBm, λ=1310nm
Small-Signal Bandwidth	BW	115			MHz	
Rise / Fall Time(10 % ~ 90 %)	tr/tf			4.5	ns	P = -33dBm, λ=1310nm
Saturation Power	P _{Sat}	0			dBm	
Single Ended Output Impedance	R _O		50		ohm	
Wavelength	λ	1260		1620	nm	
Sensitivity				-37	dBm	λ=1310nm, @155.52Mbps PRBS23, BER=1E-10

ABSOLUTE MAXIMUM RATINGS:

PARAMETERS	MIN	MAX	UNIT	TEST CONDITIONS
Storage Temperature	-40	100	°C	
Operating Temperature	-40	85	°C	
Lead Solder Temperature		260	°C	10 seconds

OUTLINE DIMENSIONS:

- Unit: mm



Pinout: B-5 (Mpd, Isink)

1. Dout
2. Vcc
3. Isink
4. Dout
5. Gnd