

TRF-8F57-701

25Gbps LC Connectorized GaAs PIN plus Pre-amplifier with Flex

FEATURES:

- LC-type optical sub-module with flexible circuit attached.
- Design for Small Form Pluggable transceivers.
- Supports up to 25.78125Gbps application.
- Photocurrent monitoring available.
- Single power supply +3.3V.



ELECTRO-OPTICAL CHARACTERISTICS: (T_A = 25°C)

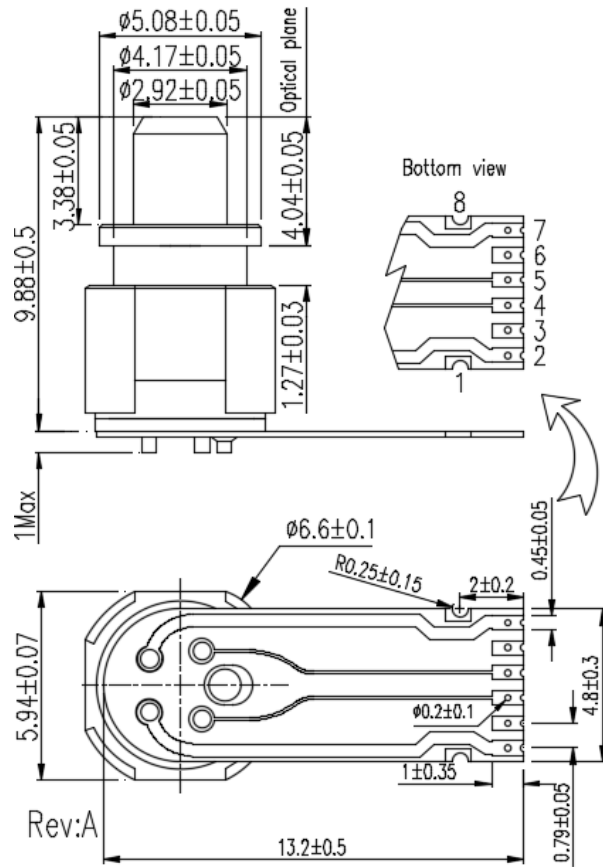
PARAMETERS	SYMBOL	MIN	TYP	MAX	UNIT	TEST CONDITIONS
Power Supply	V _{CC}	3.0	3.3	3.5	V	
Supply Current	I _{CC}		29	37	mA	No loads
Small-Signal Bandwidth	BW		17		GHz	P = -10dBm
Low-Frequency Cut off	LF		5	100	kHz	
Saturation Power	P _{Sat}	2			dBm	λ=850nm,@25.78125Gbps PRBS 31, ER=4.5dB,BER=5E-5
Single Ended Output Impedance	R _O		50		ohm	
Wavelength	λ	770		860	nm	
Sensitivity				-14.5	dBm	λ=850nm,@25.78125Gbps PRBS 31, ER=4.5dB,BER=5E-5

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
Flex Attach Temperature		370	°C	10 seconds

OUTLINE DIMENSIONS:

• Unit: mm

**Pinout:**

Pin no.	Function
1	Gnd
2	Vcc
3	Gnd
4	Dout(+)
5	Dout(-)
6	Gnd
7	Isource
8	Gnd