

TRR-8F43-221

LC Connectorized GaAs PIN plus AGC Pre-amplifier



FEATURES:

- Pre-aligned LC-type receptacle for optical fiber communication.
- Suitable for short wavelength 100/155Mbps applications.
- Supports 3.3V and 5.0V applications.



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

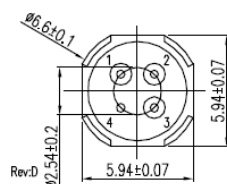
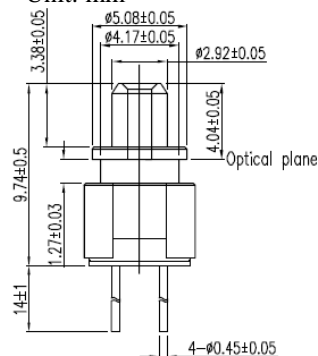
PARAMETERS	SYMBOL	MIN	TYP	MAX	UNIT	TEST CONDITIONS
Power Supply	V _{CC}	3.0		5.5	V	
Supply Current	I _{CC}			35	mA	no loads
Differential Responsivity	R _d	0.10		80	mV/μW	λ=850nm, R _{load} = 100ohm
Single Ended Responsivity	R _s	0.05		40	mV/μW	λ=850nm, R _{load} = 50ohm
Small-Signal Bandwidth	BW	115			MHz	λ=850nm, P _f = 10uW
Rise / Fall Time(10 - 90%)	tr/tf			4.5	ns	λ=850nm, P _f = 10uW
Saturation Power	P _{Sat}	-3			dBm	λ=850nm
Single Ended Output Impedance	R _O		50		Ohm	
Sensitivity				-31	dBm	λ=850nm, @ 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: A-4

1. V_{CC}
2. $\overline{\text{Dout}}$
3. D_{out}
4. Gnd

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Vitex reserves the right to make changes due to the improvement of process and package technology