

DATA SHEET

2.5Gb/s Mini APD Receiver Module



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FEATURES

- The module is composed of preamplifier, limiting amplifier, clock recovery, optical power monitoring circuit.
- High sensitivity APD, sensitivity up to -32dBm.
- Small size (57mm X 37mm X 11mm) Low power consumption
- DIP 24 pin package, Single mode FC/PC connector
- The specifications meet ITU-T G.957 L16.2 advisory requirements
- Pin function compatible with MULTI-SOURCE standard

APPLICATIONS

- 2.5Gbit/s long haul SDH system
- DWDM OTU



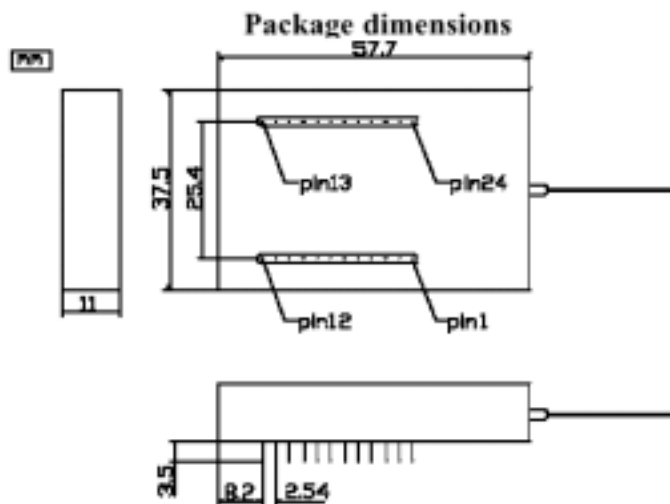
SPECIFICATIONS (T=25°C)

Parameter		Min	Typ	Max
Wavelength (nm)		1200		1600
Output signal level (mV)	AC coupled		650	
Sensitivity (dBm)	BER=10E-10		-32	-31
Min overload (dBm)			-7	
LOS (dBm)			-36	
Alarm output level (TTL)(V)	Alarm: High		+5	
	Normal: Low		0	
Reflection (dB)				-27
Power consumption (W)			2.0	
Power supply voltage (V)			+5.0	

ABSOLUTE MAXIMUM RATINGS (T=25°C)

Vcc (V)	+6.0
Operating temperature (°C)	0 - +70
Storage temperature (°C)	-40 - +85
Connection Type	DIP
Interface type	AC Coupled
Impedance (Ω)	50
Clock duty cycle (%)	50±10
Lead soldering temperature (°C)	260
Soldering duration (s)	10
Fiber yield strength (kgf)	1
Fiber bend radius (mm, min)	30

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 2.5 Gb/s
 Mini APD
 Receiver
 Module

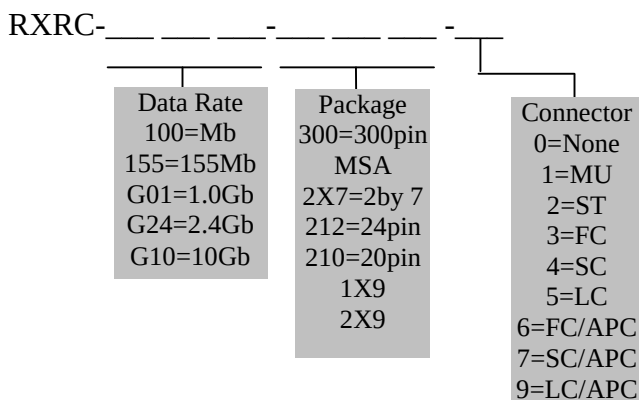


PIN CONNECTIONS

Pin	Description	Pin	Description
1	NC	24	NC
2	NC	23	OIL
3	LOS	22	Vcc+5V
4	Ground	21	NC
5	Data -	20	Ground
6	Data +	19	Ground
7	Ground	18	NC
8	NC	17	Ground
9	Ground	16	Ground
10	Data +	15	Ground
11	Data -	14	Ground
12	Ground	13	NC

ORDERING INFORMATION

Receiver



To order or for additional information about this and other Gould products, please contact us at: Phone: 1-410-987-5600

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