

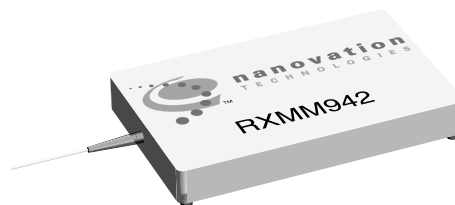


RXMM942 2.5 Gb/s Optical Receiver Module

Nanovation's RXMM942 2.5 Gb/s Optical Receiver Module features low power consumption, high sensitivity and a wide dynamic range. These modules are targeted toward SONET-OC 48 and SDH STM-16 transmission systems and high speed data communications.

Features

- 2.488 Gb/s data rate
- Clock recovery and data regeneration
- Meets the ITU-T G.957, G.958 recommendations
- Differential AC-coupled data and clock output
- High sensitivity
- Wide dynamic range
- Alarm for optical for loss of signal (LOS)
- TTI interface
- 24 PIN DIL package
- Standard 5 V power supply
- Low power consumption
- Compatible with multi-source standard



Applications

- SONET OC-48 and SDH STM-16 transmission systems
- High speed data communications

Optical Characteristics

Parameter	Specification	Unit
Operating wavelength	1200 - 1600	nm
Data Rate	2488 Gb/s	
Sensitivity	-23 (typ.), -21 (max.)	dBm
Overload	-3 (typ.), 0 (max.)	dBm
LOS	-28*	dBm
LOS alarm	(TTL)	
Data or Clock output	AC-coupled	

* Can be user specified

Absolute Maximum Ratings

Parameter	Min.	Max.	Unit
Power Supply	4.75	5.25	V
Operating Temperature Range	0	70	°C
Storage Temperature Range	-40	85	°C



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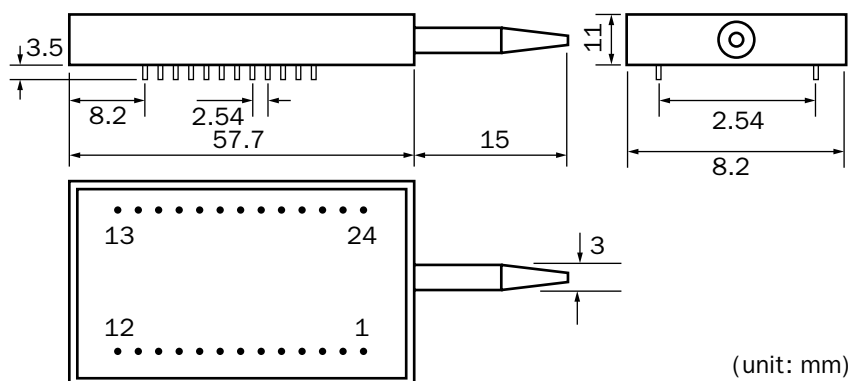
Package and Connector

Parameter	Specification	Unit
Fiber type	SMF	
Fiber length	1000-1200	mm
Connector type	FC/PC	
Physical dimension	57.7x37.5x11.0	mm ³

Pin Information

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

Outline Drawing



To order or for additional information, please contact us at:

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