

Specification

Small Form Factor Pluggable

Optical Transceivers

1.25Gbps Single Fiber Bi-directional SFP with monitoring interface

ET4202-ZX

Features

- SFP Multi-Source Agreement compliant
- LC duplex receptacle
- 1.25Gbps Gigabit Ethernet compliant
- SFF-8472 diagnostic monitoring interface for optical transceivers
- Serial ID functionality support
- Alarms and warnings to indicate status of real time monitors
- 1550nm DFB laser
- Class 1 laser safety standard IEC 60825 compliant
- 80km reach
- Low power dissipation

Applications

- Gigabit Ethernet
- High speed I/O for file server
- Mass storage system I/O
- Host adapter I/O
- Bus extension application

Absolute Maximum Ratings

Parameter	Symbol	Min.	Max.	Unit	Note
Storage Temperature	T _S	-40	+85	°C	
Supply Voltage	V _{CC} T V _{CC} R	-0.5	4.0	V	
Storage Relative Humidity	RH	5	95	%	

Recommended Operating Environment

Parameter	Symbol	Min.	Typ.	Max.	Unit	Note
Case Operating Temperature	T _C	0		70		
		-40		85		
Supply Voltage	V _{CC}	3.1	3.3	3.5	V	
Supply Current	I _{TX} + I _{RX}		180	300	mA	

Digital Diagnostic Monitoring Characteristics

Parameter	Symbol	Accuracy	Unit	Note
Transceiver Temperature	T_{INT}	± 3	$^{\circ}\text{C}$	
Transceiver Supply Voltage	V_{INT}	± 3	%	
TX Bias Current	I_{BIAS}	± 10	%	
TX Output Power	P_{TX}	± 3	dB	
RX Received Optical Power	P_{RX}	± 3	dB	