SFP-1G

Industrial Gigabit SFP Optical Transceiver Module

Overview

Key Features

Transmission rate 1.25Gb/s

Single power supply 3.3V

Hot-Pluggable capability

Duplex LC connector

Compliant with RoHS Standard

Digital diagnostic monitor compatible with SFF-8472

Product Specifications

>Product Specifications
-Standard

SFP MSA

SFF-8472

IEEE802.3

-Interface

LC Connector

-Physical Characteristics

Dimensions 13.9mm×12.6mm×58.4mm (W×H×D)

Weight 40g

-Environmental Limits

Operating Temperature -40℃~+85℃

Storage Temperature -40℃~+85℃

Ambient Relative Humidity 5~95% (non-condensing)

-Quality Assurance

Warranty period 2 years

-Approvals

RoHS

Mechanical Drawing

Ordering Information

Product Model	Product Description				
	Type	Connector	Center Wavelength	Transmission Distance	Coupled Fiber
IGSFP-M-SX-LC-850-0.55-DDM	Multi Mode	LC	850nm	0.55KM	62.5/125μm MMF 50/125μm MMF
IGSFP-M-SX-LC-1310-2-DDM	Multi Mode	LC	1310nm	2KM	62.5/125μm MMF 50/125μm MMF
IGSFP-S-LX-LC-1310-10-DDM	Single Mode	LC	1310nm	10KM	9/125μm SMF
IGSFP-S-LH-LC-1310-40-DDM	Single Mode	LC	1310nm	40KM	9/125μm SMF
IGSFP-S-LH-LC-1550-60-DDM	Single Mode	LC	1550nm	60KM	9/125μm SMF
IGSFP-S-ZX-LC-1550-80-DDM	Single Mode	LC	1550nm	80KM	9/125μm SMF

1000Base-X SFP (1.25Gbit/s) Parameter Table

Property		SX	LX	LH	ZX
Type		Multi Mode(M)	Single Mode(S)	Single Mode(S)	Single Mode(S)
Center Wavelength(nm)		850/1310	1310	1310	1550
Transmission Distance(km)		0.55/2	10	40	80
Application Range of Transmission Distance(km)		0~0.55/0~2	0~10	12~40	27~80
Coupled Fiber		62.5/125μm MMF 50/125μm MMF	9/125μm SMF	9/125μm SMF	9/125μm SMF
Average Optical Output Power	Min.(dBm)	-9.5	-11.5	-2	0
	Max.(dBm)	0	-3	3	5
Receiver Sensitivity (dBm)		-17	-19	-23	-23
Maximum Input Power (dBm)		0	-3	-3	-3

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