S30-1SLC/B-20

SFP-Port Gigabit-Single Fiber GBIC Transc. (TX: 1490nm \ RX: 1310nm) - 20Km - SM

Overview

The KGS Fire & Security transceiver module is specifically designed to accommodate high-performance optical fiber, including integrated duplex data link over single mode. Compliant with the SFP Multisource Agreement (MSA), these transceiver modules feature hot-plug capability for easy installation without interrupting host equipment operating online. The SFP transceiver can install into KGS Fire & Security switch products with 100Base-FX or 1000Base-SX/LX SFP interface.

Details

- SFP multi-source agreement compliant
- Data rate 1.25Gbps
- Class 1 laser safety standard IEC 60825 compliant
- 1(single) Fiber to be deployed together with S30-1SLC/A-20
- LC connector
- Low power dissipation
- Plug-and-play capability for easy installation
- Hot Pluggable
- 0ºC to +50ºC operation temperature
- TTL signal detect indicator
- Single power supply 3.3V
- Comply with the IEEE 802.3ab

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Technical specifications

General

Category	SFP
Port type	Single Mode
No. of fibers	1
Port speed	Gigabit
Wavelength	1310 nm, 1490 nm
Maximum distance	20 km
Connector	LC
TX / RX wavelenght	1490 nm / 1310 nm
PHY type	1000BX20-D
Power (dBm)	-8 to -2
RX Sen. (dBm)	-23
Power budget	15
Reliability (MTBF)	>50,000 hrs @ 25°C

Electrical

Operating voltage	3.3 VDC
AS/NZS CISPR 22	2006

Physical

Physical dimensions	59 x 15 x 12.4 mm (2.20 x 0.59 x 0.49 in.) (W x D x H)
Net weight	18 g (0.6 oz)

Environmental

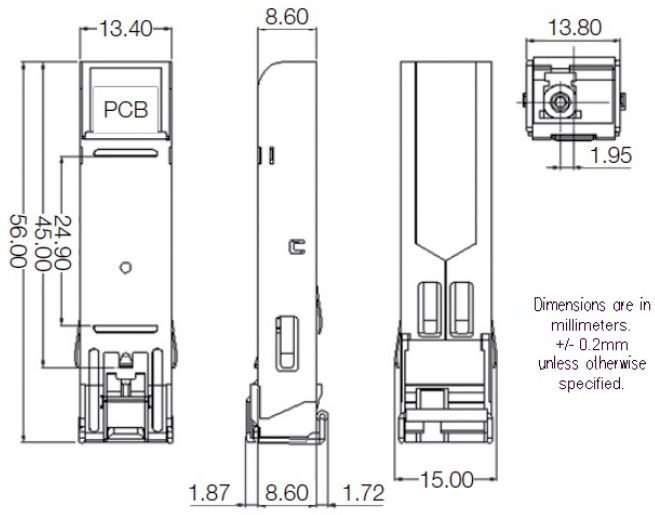
Operating temperature	0 to +50°C
Storage temperature	-40 to 85°C
Relative humidity	5 to 95% noncondensing

Regulatory

	IEEE 802.3ab Fast Ethernet Standard
	Class 1 laser product complies with EN 60825-1

Transmitter Electro-Optical Interface

EMI	EN 55022 CLASS A:2006+A1 : 2007 / EN61000-3-2:2006 / EN61000-3-3: 1995+A1:2001+A2:2005
Optical output power	-8 dBm (min.), -2 dBm (max.)
Power budget	15
Receiver	-23 dBm



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