# S30-1SLC/A-20

## SFP-Port Gigabit-Single Fiber GBIC Transceiver, TX: 1310 nm \ RX: 1490 nm, 20 km, Single Mode

### 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/B-20
- LC connector
- Low power dissipation
- Plug-and-play capability for easy installation
- Hot Pluggable
- 0°C to +50°C operation temperature
- TTL signal detect indicator
- Single power supply 3.3V
- Comply with the IEEE 802.3ab

# S30-1SLC/A-20

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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 | 1310 nm / 1490 nm |
| PHY type | 1000BX20-U |
| Power (dBm) | -8 to -2 |
| RX Sen. (dBm) | -23 |
| Power budget | 15 |
| Reliability (MTBF) | >50,000 hr @ 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

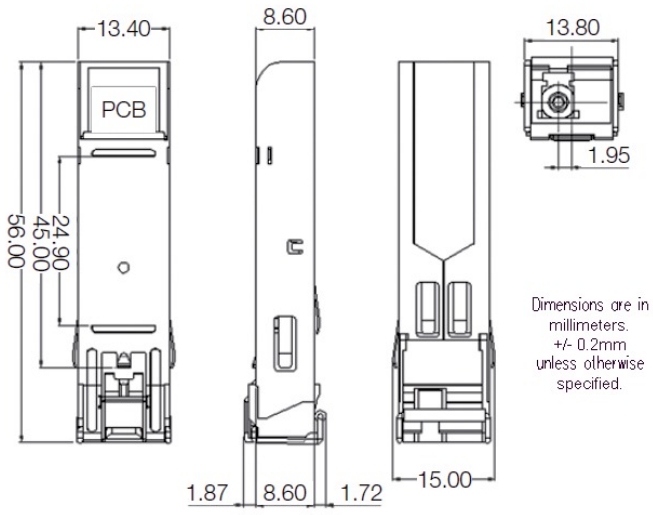
| | |
|---|---|
| Operating temperature | 0 to +50°C |
| Storage temperature | -40 to +85°C |
| Relative humidity | 5 to 95% noncondensing |

### 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 | -8dBm (min.), -2 dBm (max.) |
| Power budget | 15 |
| Receiver | -23 dBm |

### Regulatory

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




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