# S30-2MLC

## SFP-Port Gigabit Mini GBIC Transceiver Module, 850 nm, 220 m / 550 m, MM

### Overview

The KGS Fire & Security transceiver module is specifically designed to accommodate high-performance optical fiber.  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 Mini GBIC 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
- Max 220m distance based on 62.5 / 125 (OM1) fiber
- Max 550m distance based on 50 / 125 (OM2) fiber
- Class 1 laser safety standard IEC 60825 compliant
- LC duplex receptacle
- 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

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## Technical specifications

### General

| | |
|---|---|
| Category | SFP |
| Port type | Multi Tilstand |
| No. of fibers | 2 |
| Port speed | Gigabit |
| Wavelength | 850 nm |
| Maximum distance | 550 m |
| Connector | LC |
| Max. distance | 220 / 550m |
| TX / RX wavelenght | 850nm / 850nm |
| Data rate | 1.25Gbps |
| PHY type | 1000Base-SX |
| Reliability (MBTF) | >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 (W x D x H)<br>2.20 x 0.59 x 0.49 in. (W x D x H) |
| Net weight | 18 g<br>0.6 oz |

### Environmental

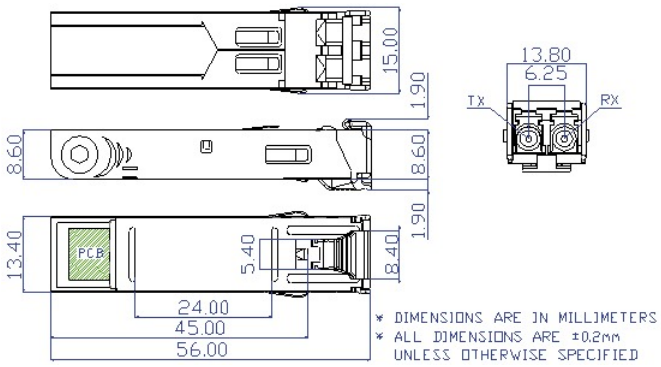
| | |
|---|---|
| Operating temperature | 0 to +50°C |
| Storage temperature | -40 to 85°C |
| Relative humidity | 5 to 95% noncondensing |

### 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 | Min. : -9.5dBm, Type : - , Max. : -4dBm |
| Power Budget | 7.5 |
| Receiver | -17dBm |

### Regulatory

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




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