

# S30-2SLC-30

## SFP-Port Gigabit Mini GBIC Transceiver Module (1310nm) - 30Km - SM

### Overview

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The UTC 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 GBIC transceiver module can install into UTC Fire & Security switch products with 100Base-FX or 1000Base-SX/LX SFP interface.



### Details

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- SFP multi-source agreement compliant
- Data rate 1.25 Gbps
- 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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## SFP-Port Gigabit Mini GBIC Transceiver Module (1310nm) - 30Km - SM

### Technical specifications

#### General

|                      |                 |
|----------------------|-----------------|
| Category             | SFP             |
| Port type            | Single Mode     |
| No. of fibers        | 2               |
| Port speed           | Gigabit         |
| Wavelength           | 1310 nm         |
| Maximum distance     | 30 km           |
| Number of Fibers :   | 2               |
| Fiber Type :         | Single-Mode     |
| Max. Distance :      | 30km            |
| TX \ RX Wavelength : | 1310nm \ 1310nm |
| TX Wavelength        | 1310nm          |
| Datarate :           | 1.25Gbps        |
| PHY Type :           | 1000Base-LHX    |
| Power (dBm)          | -2 ~ +3         |
| RX Sen. (dBm)        | -23             |
| Power Budget         | 21              |

#### Environmental

Operating temperature 0 to +50°C

#### Electrical and Mechanical

|                        |                                            |
|------------------------|--------------------------------------------|
| Input Voltage          | 3.3V DC                                    |
| Dimensions (W x D x H) | 2.20 x 0.59 x 0.49 in. (59 x 15 x 12.4 mm) |
| Weight (ounces, grams) | 0.6 oz, 18g                                |
| Storage Temperature    | -40 ~ 85° C                                |
| Relative Humidity      | 5% ~ 95% (non-condensing)                  |
| Reliability            | >50,000 hrs @ 25° C                        |

#### Transmitter Electro-Optical Interface

|                        |                                                                                              |
|------------------------|----------------------------------------------------------------------------------------------|
| EMI                    | EN 55022 CLASS A:2006+A1 : 2007 /<br>EN61000-3-2:2006 / EN61000-3-3:<br>1995+A1:2001+A2:2005 |
| Optical Output Power : | Min. : -2dBm, Type : -, Max. : +3dBm                                                         |
| Power Budget :         | 21                                                                                           |
| Receiver :             | -23dBm                                                                                       |

#### Environmental Specifications

Operating Temperature : 0°C~+50°C

Operating Relative Humidity : 5%~95% (non-condensing)

#### Electrical Specification

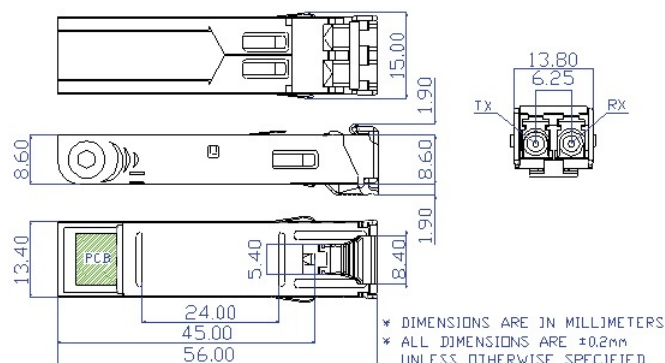
|                   |         |
|-------------------|---------|
| Input Voltage :   | 3.3V DC |
| AS/NZS CISPR 22 : | 2006    |

#### Reliability

|        |                     |
|--------|---------------------|
| MTBF : | > 50,000 hrs @ 25°C |
|--------|---------------------|

#### Standards Conformance

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



As a company of innovation, UTC Fire & Security reserves the right to change product specifications without notice. For the latest product specifications, visit UTC Fire & Security online or contact your sales representative.

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