

## DATASHEET



## S30-1SLC/B-20

SFP-Port Gigabit-Single Fiber GBIC Transceiver

### MAIN FEATURES

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

## TECHNICAL SPECIFICATIONS

### Power supply

|                      |                              |
|----------------------|------------------------------|
| Power (dBm)          | -8 to -2                     |
| Power budget         | 15                           |
| Operating voltage    | 3.3 VDC                      |
| Optical output power | -8 dBm (min.), -2 dBm (max.) |

### Physical characteristics

|                     |                                                        |
|---------------------|--------------------------------------------------------|
| 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 characteristics

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

### Other characteristics

|                  |                  |
|------------------|------------------|
| Category         | SFP              |
| Port type        | Single Mode      |
| No. of fibers    | 1                |
| Port speed       | Gigabit          |
| Wavelength       | 1310 nm, 1490 nm |
| Maximum distance | 20 km            |
| Connector        | LC               |

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### TECHNICAL SPECIFICATIONS

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|                    |                                                                                           |
|--------------------|-------------------------------------------------------------------------------------------|
| TX / RX wavelenght | 1490 nm / 1310 nm                                                                         |
| PHY type           | 1000BX20-D                                                                                |
| RX Sen. (dBm)      | -23                                                                                       |
| Reliability (MTBF) | >50, 000 hrs @ 25°C                                                                       |
| AS/NZS CISPR 22    | 2006                                                                                      |
| EMI                | EN 55022 CLASS A:2006+A1 : 2007 / EN61000-3-2:2006 /<br>EN61000-3-3: 1995+A1:2001+A2:2005 |
| Receiver           | -23 dBm                                                                                   |