

Product: [MTS-SFP-1G-LH/LC](#) 



MTS-SFP-1G-LH/LC - HIRSCHMANN IT 1G SFP Module

Product Description

1Gbps, 100Mbps compatible\*, Single-mode, 1550nm, LC, 80Km, DDMI

Technical Specifications

Product description

|                         |                                                                 |
|-------------------------|-----------------------------------------------------------------|
| Type:                   | MTS-SFP-1G-LH/LC                                                |
| Description:            | 1Gbps, 100Mbps compatible*, Single-mode, 1550nm, LC, 80Km, DDMI |
| Part Number:            | 942999858                                                       |
| Port Type and Quantity: | 1000BASE-ZX with LC connector                                   |

Network size - length of cable

|                                                          |                                                                                             |
|----------------------------------------------------------|---------------------------------------------------------------------------------------------|
| Single mode fiber (LH) 9/125 μm (long haul transceiver): | 20 - 80 km < 22 dB link budget at 1550 nm A = 0.18 dB/km, 3 dB reserve, D = 18 ps/(nm x km) |
|----------------------------------------------------------|---------------------------------------------------------------------------------------------|

Power requirements

|                    |       |
|--------------------|-------|
| Operating Voltage: | +3.3V |
| Power Consumption: | <1W   |

Diagnostics features

|                       |                                                                               |
|-----------------------|-------------------------------------------------------------------------------|
| Diagnostic functions: | Optical input and output power, transceiver temperature, bias current/voltage |
|-----------------------|-------------------------------------------------------------------------------|

Ambient conditions

|                        |          |
|------------------------|----------|
| Operating temperature: | 0-+70 °C |
|------------------------|----------|

History

|                      |                                                 |
|----------------------|-------------------------------------------------|
| Update and Revision: | Revision Number: 0.26 Revision Date: 05-23-2024 |
|----------------------|-------------------------------------------------|

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