

Specifications - Singlemode SFP Transceivers

Housing	
Dimensions device (W x H x D)	14 x 13 x 57 mm (0.55 x 0.51 x 2.24 inches)
Dimensions protrosion (W x H x D)	14 x 13 x 9 mm (0.55 x 0.51 x 0.35 inches)

Environmental	
Operating temperature	-40 to +85°C (-40 to +185°F)
Storage and transport temperatures	-40 to +85°C (-40 to +185°F)
Humidity (operating)	5-95% relative humidity

Interface					
Connector type	Duplex LC				
Transceiver type	Singlemode				
Model	GSLC10-DDM	GSLC30-DDM	GSLC50-DDM	GSLC80-DDM	GSLC110-DDM
Clasp colour	Blue				
Transmission speed	1 Gbit/s				
Transmit wavelength	1310 nm	1310 nm	1550 nm	1550 nm	1550 nm
Transmit power (max)	-3 dBm	+3 dBm	+1 dBm	+5 dBm	+5 dBm
Transmit power (min)	-9 dBm	-4 dBm	-4 dBm	0 dBm	0 dBm
Receive wavelength	1310 nm	1310 nm	1550 nm	1550 nm	1550 nm
Receiver power/sensitivity (min)	-21 dBm	-24 dBm	-24 dBm	-24 dBm	-30 dBm
Receiver power (max)	-3 dBm	-1 dBm	-1 dBm	-1 dBm	-9 dBm
Power budget	12 dBm	20 dBm	20 dBm	24 dBm	30 dBm
Min attenuation	0 dB	4 dB	2 dB	6 dB	14 dB
Indicative range	10 km	30 km	50 km	80 km	110 km

Diagnostics (DDM)	
Parametre	Accuracy
Temperature	±3°C
Voltage	± 0.1 VDC
Bias current	± 10% or 5 mA
TX power	± 3 dB
RX power	± 3 dB

Approvals	
EMC	EN 50121-4/IEC 62236-4, Railway signalling and telecommunications apparatus
Safety	EN/IEC 60825-1, Laser products - part 1: Equipment classification and requirement EN/IEC 60825-2, Laser products - part 2: Safety of optical fibre communication systems EN/IEC/UL 62368-1, Audio/video, information and communication technology equipment

Warranty	
Validity	5 years

Ordering information	
Art. no.	Description
1100-0525	GSLC30-DDM
1100-0541	GSLC10-DDM
1100-0542	GSLC50-DDM
1100-0543	GSLC80-DDM
1100-0571	GSLC110-DDM