

400G-QSFP112-100

Optical Transceivers



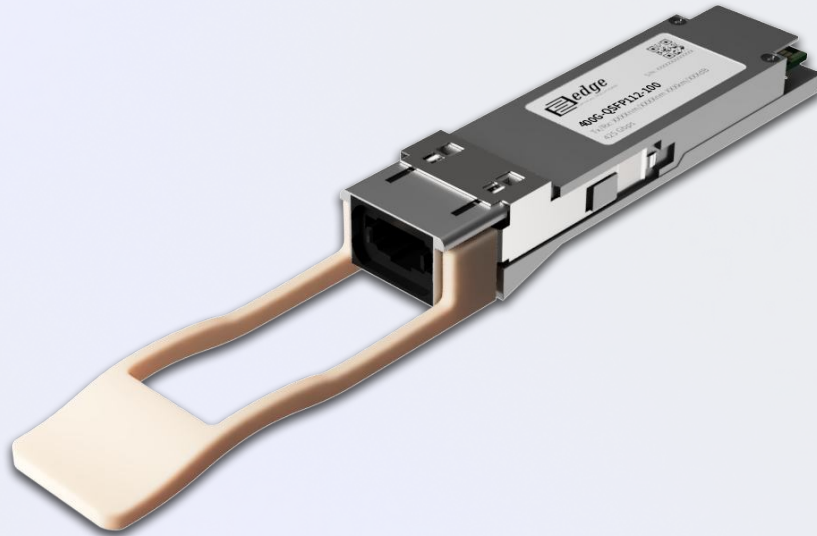
$\lambda = 850 \text{ nm}$



Fiber Type: OM4



MTP/MPO-12



OB 1.8dB



Max 100 m



FEC



PC ≤ 9W

Product description

400G-QSFP112-100 is a 400GBASE-SR4 Multi-Vendor MSA Compatible QSFP112 (Quad Small Form-Factor Pluggable 112Gbps per lane) Transceiver designed for operation over Multi-Mode Fiber (MMF) optical cable. On the transmission side module converts 4x 100G PAM4 (Pulse-Amplitude Modulation) electrical input channels (each 106.25Gbps) into 4x independent PAM4 optical signal. Module has minimum guaranteed optical budget of 1.8 dB, which in most cases is enough to reach 100 m distance over OM4 multi-mode fiber. 400G-QSFP112-100 uses top quality VCSEL (Vertical Cavity Surface Emitting Laser) (853 nm) transmitter and 400Gb/s PIN photodiode receiver. 400G-QSFP112-100 400GBASE-SR4 supports DDM/DOM optical diagnostics that provide real-time diagnostic information about the present operating conditions. 400G-QSFP112-100 operates in Standard 0°-70°C temperature range and has MTP/MPO-12 interface. 400G-QSFP112-100 400GBASE-SR4 QSFP-DD transceiver is CE/RoHS certified and is compliant to QSFP112 Multi Source Agreement (MSA), CMIS 5.0, IEEE 802.3bs 400 Gbps specification. We will be glad to know your requirements!

Product Specification:

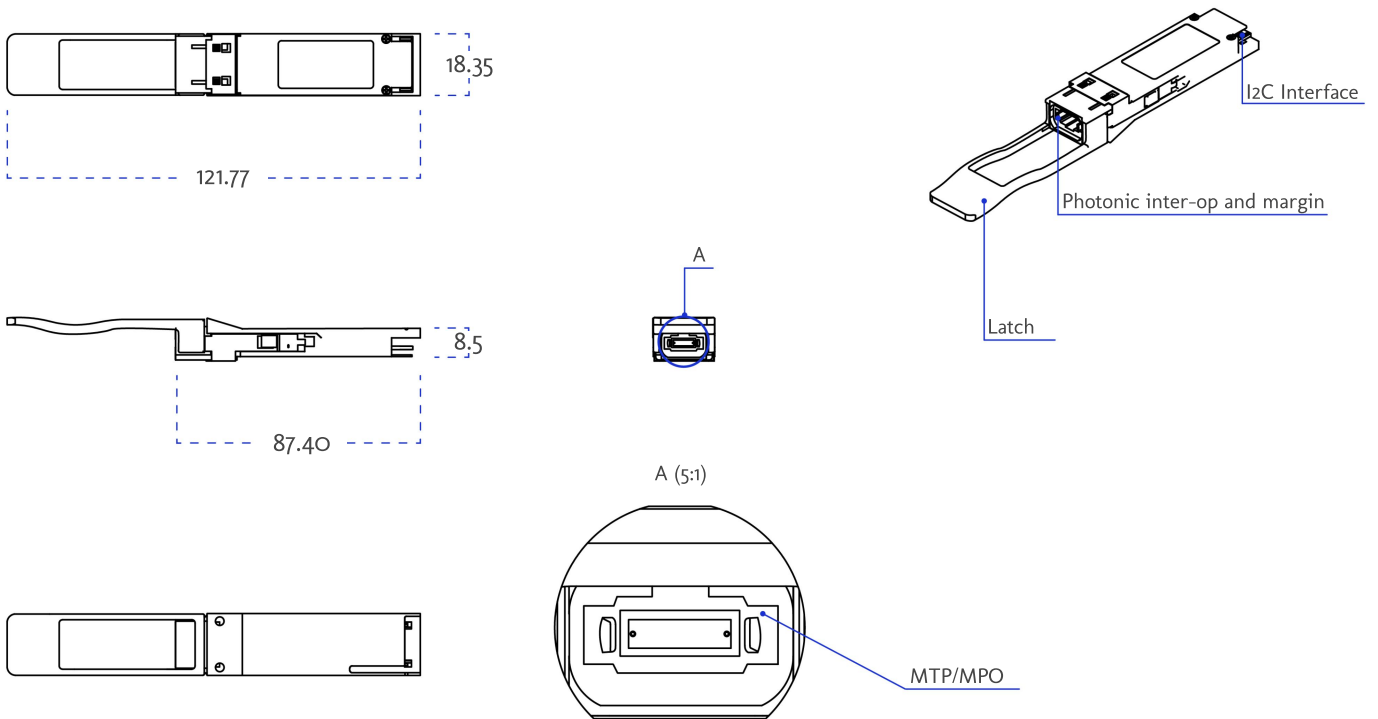
Media Type:	Multi-Mode Fiber (MMF)
Connectors:	MTP/MPO12
TX Wavelength:	850 nm
RX Wavelength:	850 nm
Minimum Optical Budget:	1.8dB
Maximum Distance:	100m (OM4)
Supported Data Rate:	425 Gbps

Product Specification:

Supported Applications:	400G Ethernet
DDM/DOM:	Supported
Forward Error Correction (FEC):	Host FEC Supported
Transmitter Type:	VCSEL
Tx Wavelength Bandwidth:	19 nm
Average Launch Power (Min) Each Lane:	-4.6 dBm
Average Launch Power (Max) Each Lane:	4 dBm
Extinction Ratio (Min):	2.5 dB
Receiver Type:	PIN
Rx Wavelength Bandwidth:	19 nm
Avg Receiver Sensitivity(Min)Each Lane:	-4.6 dBm
Avg Receiver Sensitivity(Max)Each Lane:	4 dBm
Receiver Overload:	5 dBm
Temperature Range:	Standard 0°-70°C
Storage Temperature:	-40° to 85°C
Relative Humidity:	0 to 85%
Power Consumption:	≤ 9W
Power:	3.3V
Compliance:	QSFP112 MSA V2.0, CMIS 5.0, 100G Lambda MSA, 400GBASE-SR4, IEC60825-1 Laser Safety Compliant, IEEE 802.3bs, RoHS-6, CE"

Mechanical Dimensions

*The dimensions are given in millimetres [mm]



Warranty

EDGE Optic's provides a limited warranty for **sixty (60) months** from Purchaser's receipt of the Equipment represented in this data sheet against defective design or workmanship.



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