OPTOKON, a.s. WWW.OPTOKON.COM Červený Kříž 250
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64G SFP56 Transceiver – Fiber Channel

Description:

The OPTOKON SFP56 transceiver enables link distances of up to 100 m over multimode fibre (MMF) using an LC duplex connector.

It meets the requirements of the SFF-8472, SFF-8431, SFF-8432, and FC-PI-8 standards. Digital diagnostic functions are accessible through a 2-wire common management interface, as defined in SFF-8472, providing real-time monitoring of operating parameters.
Combining easy installation with hot-swappable capability, this transceiver is an ideal choice for fibre-optic communication links up to 64G.

Features:

- Supports 16GFC/32GFC/64GFC data rates
- Up to 100m transmission on multi-mode fiber
- VSCEL laser and PIN receiver
- Integrated Digital Diagnostic monitoring
- Hot-pluggable SFP footprint
- Compliant with SFP MSA with LC connector
- Case operating temperature range: 0°C to 70°C
- Single 3.3.V power supply
- Power dissipation < 1.5W

64GFC Optical parameters:

Parameter	Min	Typ	Max	Unit	Note
TRANSMITTER					
Center wavelength	840	850	860	nm	
RMS spectral width			0.6	nm	
OMA_{outer}	-4.5			dBm	
Average launched power	-7.5		4	dBm	
Transition Time 20%-80%			34	ps	
RECEIVER					
Damage Threshold	5			dBm	1
Average received power	-9.4		4	dBm	
Return Loss of Receiver	12			dB	
LOS Assert	-30		-17	dBm	

Note: 1. The receiver should be able to tolerate, without damage, continuous exposure to an optical input signal having this average power level. The receiver does not have to operate correctly at this received power

Standards:

- Compliant to SFF-8431
- Compliant to SFF 8472
- RoHS Compliant
- Compliant with FC-PI-6

Monitor data:

The following monitors are supported using the ”internal calibration” method described in SFF-8472 Rev 12.3:

- Temperature, Supply Voltage, Tx Bias Current
- Rx and Tx Optical Power

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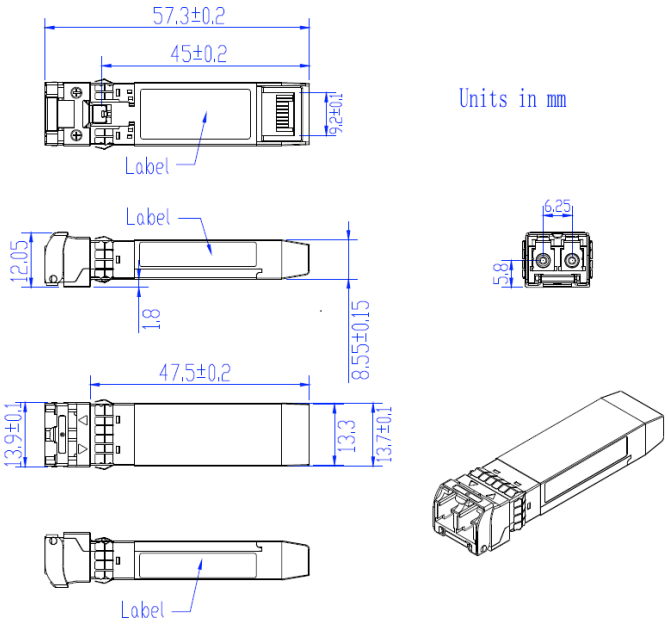
Rate select:

The signaling rates for the transmitter and receiver can each be configured by either the rate select (RS) hard pin signals or the soft register bits according to the following table:

Fibre Channel Rate	*Signaling Rate (GBd)*	*Modulation*	*Logic OR of RS hard pin and soft bit*	*A2h, Byte 119, Bit 2 (64GFC Mode bit)*	*Notes*
64GFC	28.9	PAM4	–	1	When the 64GFC Mode bit is set, the RS pins and bits are ignored.
32GFC	28.05	NRZ	1	0	
16GFC	14.025	NRZ	0	0	

Outline dimension:



Ordering code:

Part number	*Description*
M64-V85-SP56-SR-D-XX	64 Gbps, SFP+, 850 nm, up to 100 m, MMF (OM4), duplex LC connector, 0°C to +70°C

Remark: Full compatibility is conditioned by exact specification of the end device; compatibility of older SFPs is not guaranteed with new devices or updated SW.