


GIGALIGHT 10G SFP+ Active Optical Cables GSS-MDO100-XXXX

Features

- ◆ Electrical interface compliant to SFF-8431
- ◆ Hot Pluggable
- ◆ 850nm VCSEL transmitter, PIN photo-detector receiver
- ◆ Up to 300m on OM3 MMF
- ◆ Operating case temperature: 0 to 70°C
- ◆ All-metal housing for superior EMI performance
- ◆ RoHS compliant (lead free) 



Applications

- ◆ 10 Gigabit Ethernet
- ◆ 4G and 8G Fibre Channel Applications
- ◆ 1x InfiniBand QDR. DDR, SDR
- ◆ High-performance computing clusters
- ◆ Servers, switches, storage and host card adapters

Description

Gigalight SFP+ Active Optical Cables are direct-attach fiber assemblies with SFP+ connectors. They are suitable for very short distances and offer a cost-effective way to connect within racks and across adjacent racks. Gigalight SFP+ Active Optical Cables's length is up to 300 meters on OM3 MMF.

SFP+ AOC Specifications

Parameter	Description
Module Form Factor	SFP+ (Supports SFF8431/SFF8432/SFF8472)
Protocols Supported	InfiniBand, Ethernet, Fiber Channel
Channel Data Rate	Rate 1 to 10.3125Gbps
BER	$<10^{-12}$
Operating Case Temperature	0 to + 70°C
Storage Temperature	-20 to + 85°C
Supply Voltage	3.3V nominal
Supply current	230mA per end typical

Management Interface Serial

I²C (Supports SFF8472)

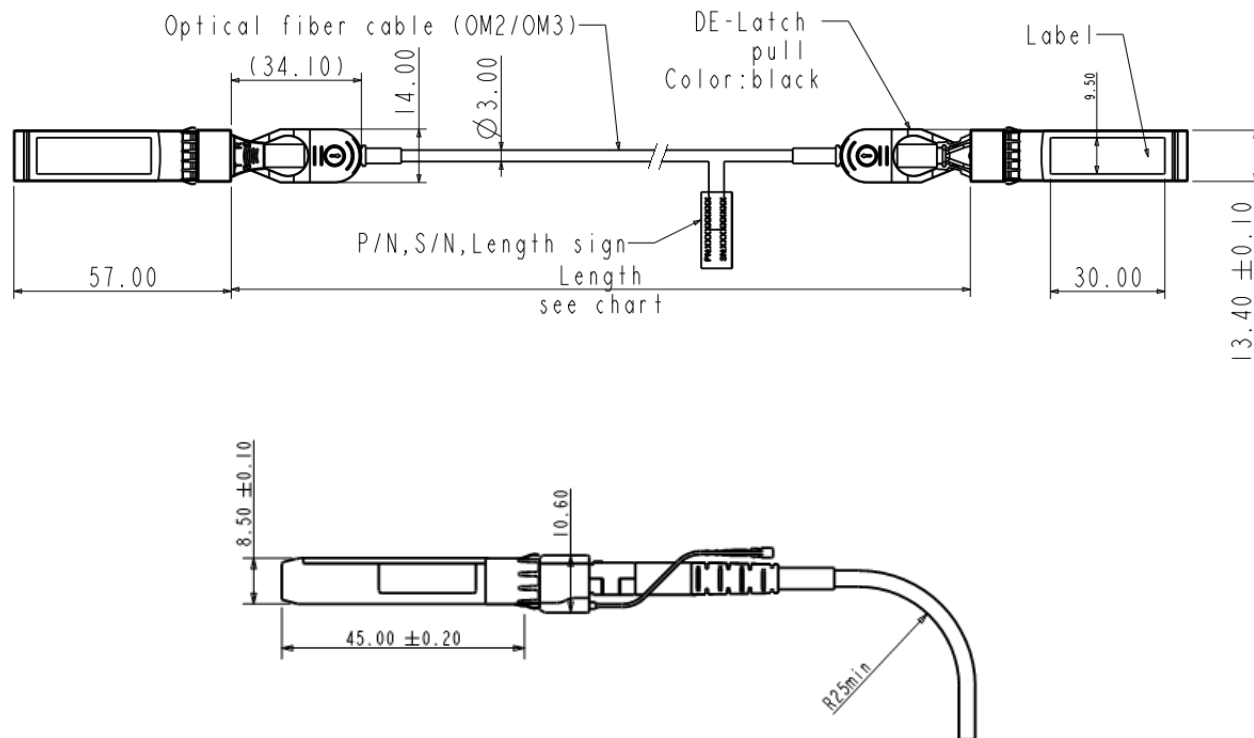


Figure1. Mechanical Specifications

Important Notice

Performance figures, data and any illustrative material provided in this data sheet are typical and must be specifically confirmed in writing by GIGALIGHT before they become applicable to any particular order or contract. In accordance with the GIGALIGHT policy of continuous improvement specifications may change without notice.

The publication of information in this data sheet does not imply freedom from patent or other protective rights of GIGALIGHT or others. Further details are available from any GIGALIGHT sales representative.

Ordering information

Part Number	Product Description
GSS-MDO100-001C	1 meter SFP+ Active Optical Cable
GSS-MDO100-002C	2 meter SFP+ Active Optical Cable
GSS-MDO100-003C	3 meter SFP+ Active Optical Cable
GSS-MDO100-005C	5 meter SFP+ Active Optical Cable
GSS-MDO100-007C	7 meter SFP+ Active Optical Cable

GSS-MDO100-010C	10 meter SFP+ Active Optical Cable
GSS-MDO100-0XXC	10G SFP+ Active Optical Cable up to 300m on OM3 MMF
xxx :001~100,1~300 Length in meters (OM3 fiber is available)	

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