DATASHEET 5.1

SO-SFP28-AOCxM

SFP28, 25G Ethernet, Active Optical Cable (AOC), 1m to 20m

OVERVIEW

The SO-SFP28-AOCxM is an Active Optical Cable (AOC) solution. SO-SFP28-AOCxM is a direct-attach assembly (i.e. SFP28' connectors with integrated cable) for quick and simple 25 Gbps connections within racks and across adjacent racks where the interconnected equipment uses SFP28 interfaces. It provides a cost-efficient solution as compared to using discrete optical transceivers and optical patch cables.

Forward Error Correction (FEC) is required in the host equipment to ensure reliable system operation. The FEC type shall be as defined in IEEE802.3bj, i.e. Reed Solomon RS(528,514). Without FEC the bit error ratio (BER) will be less than 5×10^{-5}.

With FEC the BER will be better than 1×10^{-12}.

A SO-SFP28-AOCxM fits into SFP28 ports and supports 25G Ethernet as well as Infiniband QDR, SDR and DDR services. The SO-SFP28-AOCxM utilizes a MultiMode fiber and is provided in lengths from 1 to 20 meters.

Subject to change without notice. For more information visit **smartoptics.com**

SO-SFP28-AOCxM

PRODUCT FEATURES

- Support for 25G Ethernet, Infiniband QDR, SDR, DDR
- SFF-8431 MSA compliant (electrical interface)
- Digital diagnostics functions via the I2C interface
- Up to 20m interconnects
- Operating case temperature 0°C to +70°C (+32°F to +158°F)
- Hot pluggable
- Low power; <1W
- Storage temperature -20°C to +85°C (-4°F to +185°F)

APPLICATIONS

- Data Center cabling infrastructure
- Storage Area Network (SAN)
- Hub, switches, routers, servers etc

ORDERING INFORMATION ORDERNG INFORMATION

Ordering number	Description
SO-SFP28-AOC1M	SFP28, 25G Ethernet, Active Optical Cable (AOC), 1m
SO-SFP28-AOC2M	SFP28, 25G Ethernet, Active Optical Cable (AOC), 2m
SO-SFP28-AOC3M	SFP28, 25G Ethernet, Active Optical Cable (AOC), 3m
SO-SFP28-AOC4M	SFP28, 25G Ethernet, Active Optical Cable (AOC), 4m
SO-SFP28-AOC5M	SFP28, 25G Ethernet, Active Optical Cable (AOC), 5m
SO-SFP28-AOC6M	SFP28, 25G Ethernet, Active Optical Cable (AOC), 6m
SO-SFP28-AOC7M	SFP28, 25G Ethernet, Active Optical Cable (AOC), 7m
SO-SFP28-AOC8M	SFP28, 25G Ethernet, Active Optical Cable (AOC), 8m
SO-SFP28-AOC9M	SFP28, 25G Ethernet, Active Optical Cable (AOC), 9m
SO-SFP28-AOC10M	SFP28, 25G Ethernet, Active Optical Cable (AOC), 10m
SO-SFP28-AOC12M	SFP28, 25G Ethernet, Active Optical Cable (AOC), 12m
SO-SFP28-AOC15M	SFP28, 25G Ethernet, Active Optical Cable (AOC), 15m
SO-SFP28-AOC20M	SFP28, 25G Ethernet, Active Optical Cable (AOC), 20m

MECHANICAL DRAWING