

25G SFP28 AOC 1-100m

25G Eth, SFP28, AOC, 1-100m, MM

SA11-25-xxM-C1

OVERVIEW

The SA11-25-xxM-C01 is an Active Optical Cable (AOC) designed for simple and high-speed 25 Gbps connectivity. It is a direct-attach assembly with SFP28 connectors integrated into the cable, enabling quick and easy connections within a rack or between adjacent racks where equipment uses SFP28 interfaces. This approach is more cost-effective than deploying separate optical transceivers and fiber patch cords.

The cable is compliant with IEEE 802.3by 25GBASE-SR and is intended for intra rack and adjacent rack connections in data centers. Digital Diagnostic Monitoring (DDM) is supported via the I2C interface, enabling real time monitoring of key operating parameters.

The solution operates at a nominal data rate of 25.78 Gbps and supports cable lengths up to 100 meters over OM3/OM4 multimode fiber.

KEY SPECIFICATIONS

- SFP28 to SFP28 connectivity
- Support for 25G Ethernet, Infiniband QDR, SDR, DDR
- SFF-8431 MSA compliant (electrical interface)
- Digital diagnostics functions via the I2C interface
- 850nm VCSEL laser and PIN photo-detector
- Low power, < 1W
- C-temp operating conditions (0°C to +70°C)
- Storage temperature -20°C to +85°C

APPLICATIONS

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

ORDERING INFORMATION

Ordering Code	Description
SA11-25-01M-C1	25G SFP28, AOC, 1m, MM, 0-70C
SA11-25-02M-C1	25G SFP28, AOC, 2m, MM, 0-70C
SA11-25-03M-C1	25G SFP28, AOC, 3m, MM, 0-70C
SA11-25-04M-C1	25G SFP28, AOC, 4m, MM, 0-70C
SA11-25-05M-C1	25G SFP28, AOC, 5m, MM, 0-70C
SA11-25-06M-C1	25G SFP28, AOC, 6m, MM, 0-70C
SA11-25-07M-C1	25G SFP28, AOC, 7m, MM, 0-70C
SA11-25-08M-C1	25G SFP28, AOC, 8m, MM, 0-70C
SA11-25-09M-C1	25G SFP28, AOC, 9m, MM, 0-70C
SA11-25-10M-C1	25G SFP28, AOC, 10m, MM, 0-70C
SA11-25-15M-C1	25G SFP28, AOC, 15m, MM, 0-70C
SA11-25-20M-C1	25G SFP28, AOC, 20m, MM, 0-70C
SA11-25-30M-C1	25G SFP28, AOC, 30m, MM, 0-70C
SA11-25-50M-C1	25G SFP28, AOC, 50m, MM, 0-70C
SA11-25-A0M-C1	25G SFP28, AOC, 100m, MM, 0-70C

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