

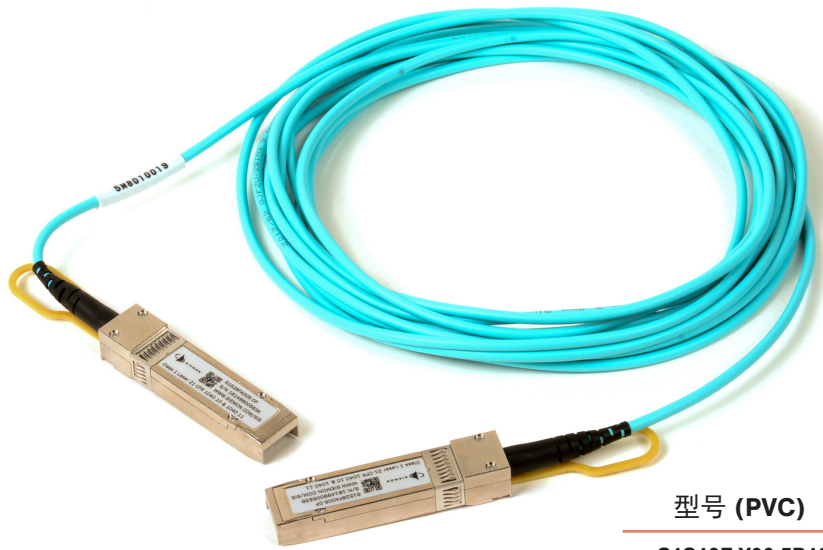
# AOC 有源光缆

## SFP+ 10G

Siemon 10G SFP+有源光缆(AOC)组件是收发器组件的可靠且实用的替代选择，长度范围从0.5m到100m，远超过直连铜缆(DAC)的范围。这些高性能低功耗的AOC具有坚固的结构，兼容以太网、InfiniBand和MSA，组件包含高强度拉扣锁定系统，减少插头损耗，确保更安全的安装。

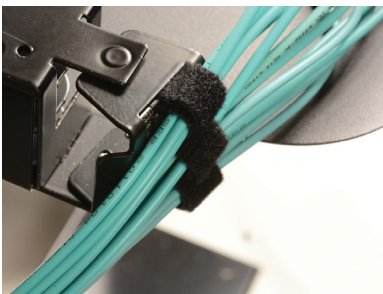
这些10G SFP+组件能够传输高达10Gb/s的数据，通过单根多模光缆提供灵活简单的安装。AOC消除了收发器组件的互操作性问题以实现参数优化，并具备数字化诊断监控，允许I<sup>2</sup>C实时监控操作参数，并在参数超限时发送警告。

典型的AOC应用包括数据中心内的点对点连接、高性能计算和存储应用。多种连接方式可以支持同列或跨列的机架间连接，热插拔和高密度的设计使其可以在柜顶交换和其他数据中心架构中被广泛地使用。



### 满足标准

- SFP+ MSA
- SFF8431 Electrical
- SFF8432 Mechanical
- RoHS/REACH compliant
- TUV
- UL



### 小线径捆扎

小线径的AOC可组成更小的线缆束，促进更好的气流管理。

型号 (PVC)	型号 (LS0H)	长度
S1S10F-Y00.5B13	S1S10F-V00.5B13	0.5m (1.64 ft.)
S1S10F-Y01.0B13	S1S10F-V01.0B13	1.0m (3.28 ft.)
S1S10F-Y01.5B13	S1S10F-V01.5B13	1.5m (4.92 ft.)
S1S10F-Y02.0B13	S1S10F-V02.0B13	2.0m (6.56 ft.)
S1S10F-Y03.0B13	S1S10F-V03.0B13	3.0m (9.87 ft.)
S1S10F-Y05.0B13	S1S10F-V05.0B13	5.0m (16.40 ft.)
S1S10F-Y07.0B13	S1S10F-V07.0B13	7.0m (22.97 ft.)
S1S10F-Y10.0B13	S1S10F-V10.0B13	10m (32.80 ft.)
S1S10F-Y15.0B13	S1S10F-V15.0B13	15m (49.21 ft.)
S1S10F-Y20.0B13	S1S10F-V20.0B13	20m (65.62 ft.)
S1S10F-Y25.0B13	S1S10F-V25.0B13	25m (82.02 ft.)
S1S10F-Y30.0B13	S1S10F-V30.0B13	30m (98.43 ft.)
S1S10F-Y40.0B13	S1S10F-V40.0B13	40m (131.23 ft.)
S1S10F-Y50.0B13	S1S10F-V50.0B13	50m (164.04 ft.)
S1S10F-Y0100B13	S1S10F-V0100B13	100m (328.08 ft.)

# 产品信息

最大额定参数	最小	最大
Module Supply Voltage	0.0V	4.0V
Storage Temperature	40°C	85°C
Relative Humidity - Storage	0%	85%
Relative Humidity - Operating	0%	85%

## 电气规格

Module Supply Voltage	3.13V to 3.47V (3.3V typical)
Case Operating Temperature	0°C to 70°C 25°C (typical)
Single Module Supply Current	500mA max.
Maximum Power Consumption Per End	0.25W

## 接收器电气接口

Rx Data Differential Output Voltage	200mV to 1000mV
Rx Data Differential Output Impedance	90Ω to 110Ω (100Ω typical)
LOS Assert Voltage	2v to $V_{CC1}+0.3$
LOS De-assert Voltage	0.3V to 0.4V

## 机械规格

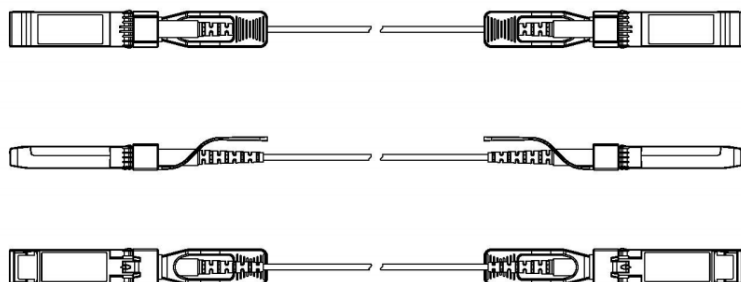
Minimum Bend Radius	20 x OD mm (without tension) 10 x OD mm (with max tension)
Cable Diameter	3.0mm ± 0.20
Fiber Type	OM3 multimode

## 发射器电气接口

Tx Data Differential Input Voltage	200mV to 1600mV
Tx Data Differential Input Impedance	100Ω (typical)
Transmitter Disable Voltage	2V to $V_{CC1}+0.3$
Transmitter Enable Voltage	0.3V to 0.8V

## 信道参数

Channels	1 Lane, bi-directional
Data Rate	10.3125 Gbp/s p
Operating Wavelength	850nm



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