

MPO - Fiber Array Assembly

Passive optical interconnect jumper could connect to optical modules, optical FPGA and Silicon photonic chip installed on PCB, and also it could connect to any parallel optical transceiver modules, supporting various network types, including Ethernet network, Infiniband network and Fiber Channel network, the application equipment includes Switches, Servers, Storages, HPC, and, etc.

无源光学互连跳线可以连接到光学模块，光学FPGA和硅光子芯片安装在PCB上，也可以连接到任何平行光收发模块，支持各种网络类型,包括以太网网络、无线宽带网络和光纤通道网络，应用设备包括交换机、服务器、存储、HPC等等。

Features (特点)

GR-1435, GR-1221 compliant
Transmission mode: Multi-channel serial and parallel transmission mode
High accuracy
Support: 40G(4x10G), 100G(4x25G)

兼容GR-1435、GR-1221

传输方式：精度高多路串并联传输方式
支持：40G (4x10G)、100G (4x25G)

Coupling Mode (耦合模式)

Passive coupling with guide pins and 0, 8 degrees
Active coupling with light source and 0~ 45 degrees
Passive coupling with guide pins and 90 degrees

以导针对准的无源耦合可实现0°、8°及按客户定制角度
接通光源的有源耦合可用0~45°
以导针对准的无源耦合也可用90°转角

IL/RL Specifications (插损、回损参数)

MT IL ≤0.60 dB typical 0.20 dB MT RL ≥20 dB

MT插损≤0.60 dB；典型插损0.20 dB；MT回损≥20 dB

Environment Conditions (环境状况)

-40°C~+85°C

Specifications

Item	Specification
Connector A (接头A)	MPO
Connector B (接头B)	Customized Fiber Array (可定制FA)
Fiber shape (光纤形状)	Ribbon (带状)
Fiber count (纤芯数)	12F
Fiber type (光纤型号)	OM2,OM3,OM4;
Length (长度)	50~80mm, Customized length available (50-80mm可选)
Length tolerance (长度公差)	±0.5mm

