



AB005 - 10G SFP+ MULTIMODE SR TRANCEIVER IS A SPECIAL MODULE FOR HPE ARUBA ENTERPRISE NETWORK SERIES.

It is a high performance, cost effective modules, which is supporting up to 10.3125Gbps, and transmission distance up to 300m on MM fiber. The transceiver consists of two sections: The transmitter section incorporates a laser driver and a 850nm VCSEL laser. The receiver section consists of a PIN photodiode integrated with a transimpedance preamplifier (TIA) and a Limiting Amplifier. The module is hot pluggable into the 20-pin connector. The high-speed electrical interface is base on low voltage logic, with nominal 100Ohms differential impedance and AC coupled in the module.

Features

- ☐ Up to 300m transmission on MMF
- ☐ Up to 10.3125Gbps
- ☐ 850nm VCSEL laser and PIN receiver
- ☐ SFI electrical interface
- ☐ 2-wire interface for integrated Digital Diagnostic monitoring
- ☐ SFP+ MSA package with duplex LC connector
- ☐ Hot pluggable
- ☐ Very low EMI and excellent ESD protection
- ☐ +3.3V power supply
- ☐ Power consumption less than 1.0W
- ☐ Operating case temperature: 0~+70°C

Applications

- ☐ High-speed storage area networks
- ☐ Computer cluster cross-connect



☐ Custom high-speed data pipes

Compliance

☐ Compliant with IEEE 802.3ae-2002

☐ Compliant with MSA SFF-8472

☐ Compliant with MSA SFF-8431

Specification

Absolute Maximum Ratings

Parameter	Symbol	Min.	Max.	Unit	Notes
Storage Temperature	TS	-40	+85	°C	
Supply Voltage	VCC3	0	3.6	V	
Relative Humidity	RH	5	+85	%	Note1
Rx Input Average Power	Pmax	-	+1.5	dBm	