

# 1.25G Gigabit SFP Optical Module

## Product description

Maiwe Gigabit SFP Optical Module is suitable for fiber optic communication applications at rates up to 1.25G. The module integrates the two parts of the receiving and transmitting circuit, and adopts the all-metal housing and the LC port with the plastic tail plug. It has the function of "hot plugging". It can be inserted and removed from the device when the device is continuously powered, which is suitable for switching environment in the metropolitan area network. Maiwe Gigabit SFP Optical Module uses a +3.3V power supply, and the input/output signals are LVPECL level. The product complies with the MSN (Multi-Source Agreement) of SFP protocol.



## Product specifications

Working condition					
Parameter	Symbol	Min	Model	Max	Unit
Operating temperature	Top	-40		+85	°C
Voltage	Vcc	3.14	3.3	3.47	V
Data rate			1250		Mbps
Technical specification					
Parameter	Symbol	Min	Model	Max	Unit
Working current	Icc			250	mA
Differential input voltage	VD	500		1500	mV
Central wavelength range	$\lambda_c$	1290	1310	1330	nm
Transmitted optical power	Po	-9		-3	dBm
Extinction Ratio	EX	8.2			dB
Optical rise time	TR			2.0	ns

Optical fall time	TF			2.0	ns
Receiving sensitivity	S			-24	dBm
Overload input power	Pin	-3			dBm
Signal detection failure	PD	-35.0			dBm
Validity of signal detection	PA			-26.0	

## Order information

MSFP1835-20	SFP hot swap dual fiber module, multi-mode 850nm, 1.25Gb/s, 3.3V, LC interface, LVPECL level, 500m
MSFP3835-23	SFP hot swap dual fiber module, single-mode 1310nm, 1.25Gb/s, 3.3V, LC interface, LVPECL level, 20km
MSFP3835-24	SFP hot swap dual fiber module, single-mode 1310nm, 1.25Gb/s, 3.3V, LC interface, LVPECL level, 40km
MSFP4835-25	SFP hot swap dual fiber module, single-mode 1550nm, 1.25Gb/s, 3.3V, LC interface, LVPECL level, 60km
MSFP4835-26	SFP hot swap dual fiber module, single-mode 1550nm, 1.25Gb/s, 3.3V, LC interface, LVPECL level, 80km
MSFPB3835-23	SFP hot-swappable single-fiber module, single-mode 1310nm/1550nm, 1.25G, 3.3V LVPECL level, LC interface, 20km.
MSFPB4835-23	SFP hot-swappable single-fiber module, single-mode 1550nm/1310nm, 1.25G, 3.3V LVPECL, LC interface, 20km.
MSFPB3835-24	SFP hot-swappable single-fiber module, single-mode 1310nm/1550nm, 1.25G, 3.3V LVPECL, LC interface, 40km.
MSFPB4835-24	SFP hot-swappable single-fiber module, single-mode 1550nm/1310nm, 1.25G, 3.3V LVPECL, LC interface, 40km.
MSFPB3835-25	SFP hot-swappable single-fiber module, single-mode 1490nm/1550nm, 1.25G, 3.3V LVPECL, LC interface, 60km.
MSFPB4835-25	SFP hot-swappable single-fiber module, single-mode 1550nm/1490nm, 1.25G, 3.3V LVPECL, LC interface, 60km.
MSFPB3835-26	SFP hot-swappable single-fiber module, single-mode 1490nm/1550nm, 1.25G, 3.3V LVPECL, LC interface, 80km.
MSFPB4835-26	SFP hot-swappable single-fiber module, single-mode 1550nm/1490nm, 1.25G, 3.3V LVPECL, LC interface, 80km.