

# OPTICAL TRANSCEIVER

## ► SFP MODULE



### Hardware Features

Model	TW-1.2G-SFP-SMF	TW-1.2G-SFP-MMF
Media Type	Single-Mode Fiber	Multi-Mode Fiber
TX / RX Wavelength	1310 / 1310 nm	850 / 850 nm
Minimum Optical Budget	13 dB	7.5 dB
Maximum Distance	20 Km	550 m
Supported Data Rate	1.063-1.25 Gbps	
Supported Application	1G Eth (1.25 Gbps) - 1GFC (1.063 Gbps)	
DDM/DOM	Supported	
Temperature Range	-40 to +85 C	
Connectors	Double LC	
Tx / Rx Wavelength Bandwidth	100 nm (1260-1360 nm)	20 nm (840-860 nm)
Transmitting Power (Min/Max)	-9/-3 dB	-9.5/-3 dB
Receiver Sensitivity	-22 dB	-17 dB
Receiver Overload	-3 dB	
Dispersion	140-160 ps/nm	110 ps/nm
Laser	FP	VSCSEL
Receiver Type	PIN	
Chip	SEMTECH/MAXIM/UX	
Power	+3.3V single power supply	
Compliance	SFP MSA, SFF-8472, RoHS, CE, Class 1 FDA and IEC60825-1 Laser Safety Compliant	
Warranty	5 years	

