MICROCHIP

GIGABIT_ETH_SFP

Features:
- Supports 1000base-T Ethernet over coax
- Supports up to 70 meters of RG6 cable
- Power provided via the SFP socket
- Functionally compatible with fiber optic transceiver system in SFP form factor

The SFP stands for "small form-factor pluggable" and is a hot-swappable input/output device that plugs into a Gigabit Ethernet port or slot, linking the port with the network. The Gigabit Ethernet SFP module enables customers to transmit 1000Base-T Ethernet over standard 75-ohm coaxial cable up to 70 meters. This is an ideal application where existing coaxial cable can be used or for noisy industrial environments where coaxial shielding is important.

Parameter Name	Value
Temp Range (°C)	0 to 50
Storage Temp Range (°C)	-20 to 70
Distance (meters)	70m over RG6 @ 1Gbps
Downlink Speed	1Gbps
Uplink Speed	1Gbps
Supply Voltage	Power provided via SFP connector
Power over Coax (mW)	PoE complaint
Interface Connector	SFP to 75-ohm BNC

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