

SFP-10G-T

10GBase-T SFP+ Copper 30m Transceiver

Product Features

- Supports Links up to 30m (Cat 6a/7 Cable)
- SFF-8431 and SFF-8432 MSA Compliant
- IEEE 802.3az Compliant
- Low Power Consumption (2.5W MAX @ 30m)
- Fast Retrain EMI Cancellation Algorithm
- Low EMI Emissions
- I2C 2-Wire Interface for Serial ID and PHY Register Access
- Auto-negotiates with other 10GBase-T PHYs
- Supports 100/1000Base-T using Cat 5e cable
- MDI/MDIX Crossover
- Multiple Loopback Modes for Testing and Troubleshooting
- Robust Die Cast Housing
- Unshielded and Shielded cable support
- Available operating temperature ranges:
 - Commercial: 0°C to 70°C
 - Industrial: -40 ~ +85°C



Product Applications

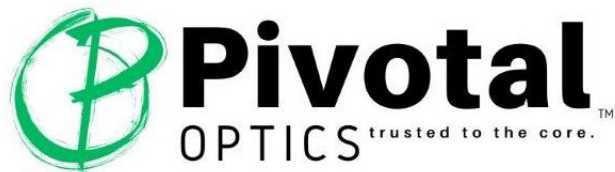
- 10GBase-T Ethernet
- 10G Ethernet (over Cat-5 cable)

I. Product Details

Pivotal Optics' 10G BASE-T Copper Small Form Pluggable (SFP) modules are based on the SFP Multi Source Agreement (MSA). It is compliant with the 10G BASE-T, 5G Base-T, 2.5G Base-T, 1000BASE-T, 100BASE-TX standards as specified in IEEE STD 802.3an, 802.3ab and 802.3au.

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10GBASE-T, SFP+, COPPER 30M REACH
TRANSCEIVER, RJ-45 CONNECTOR



II. Operating Specifications (+3.3V Volt Electrical Power Interface)

Exceeding the limits below may damage the transceiver module permanently.

Parameter	Symbol	Min.	Typ.	Max.	Units
Operating Temperature	Commercial	0		+70	°C
	Industrial	-40		+85	°C
Storage Temperature	Tsto	-40		+85	°C
Relative Humidity	RH	5		95	%
Supply Voltage	Vcc	3.135	3.3	3.465	VDC
Low Speed Input Voltage		-0.5		Vcc+0.3	V
Two-Wire Interface Input Voltage		-0.3		Vcc+0.5	V
Power (30m @ 25C ambient)			2.3	2.5	W
Link Distance	D			30	m

Warranty

All transceivers feature a limited lifetime warranty.

Disclaimer

External physical characteristics are subject to variation. This may include, but is not limited to, external case designs, pull tab colors and/or shapes, removal latch styles or colors, and label sizes and placement. These variations do not affect the function or characteristics of the transceivers.