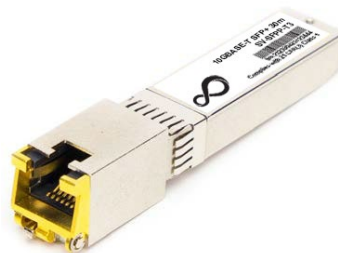


## SV-SFPP-T3C

100Mbps /1000Mbps/ 10Gbps 10GBase-T  
(RJ45) up to 30m



### Features

- Support 10Gbase-T / 1000base-T
- Support 10Gbase-R on host port
- Hot-pluggable SFP footprint
- Compact RJ-45 connector assembly
- RoHS compliant and lead-free
- Single +3.3V power supply
- 10 Gigabit Ethernet over Cat 6a cable
- Ambient Operating temperature: 0°C to +70°C

### Ordering Information

Part No	Description
<b>SV-SFPP-T3C</b>	Starview SFP+ 10Gbps Copper module 10GBase-T (RJ45), distance up to 30m (Compatible with HP)

## Environmental Specifications

Parameter	Symbol	Min	Typ	Max	unit	Notes/Conditions
Operating Temperature	Top	0		60	°C	Case temperature
Storage Temperature	Tsto	-40		85	°C	Ambient temperature

## +3.3V Volt Electrical Power Interface

transceiver that offers 10 Gb/s communication over this type of media.

Parameter	Symbol	Min	Typ	Max	unit	Notes/Conditions
Supply Current	Is		900	1200	mA	4.0W max power over full range of voltage and temperature. Note1
Input Voltage	Vcc	3.13	3.3	3.47	V	Referenced to GND
Maximum Voltage	Vmax			4	V	
Surge Current	Isurge		TBD		mA	Hot plug above steady state current. Note1

Note1: Power consumption and surge current are higher than the specified values in the SFP MSA

## Low-Speed Signals

Parameter	Symbol	Min	Max	unit	Notes/Conditions
SFP Output LOW	VOL	0	0.5	V	4.7k to 10k pull-up to host_Vcc, measured at host side of connector
SFP Output HIGH	VOH	host_Vcc - 0.5	host_Vcc + 0.3	V	4.7k to 10k pull-up to host_Vcc, measured at host side of connector
SFP Input LOW	VIL	0	0.8	V	4.7k to 10k pull-up to Vcc, measured at SFP side of connector
SFP Input HIGH	VIH	2	Vcc + 0.3	V	4.7k to 10k pull-up to Vcc, measured at SFP side of connector

## High-Speed Electrical Interface

Parameter	Symbol	Min	Typ	Max	unit	Notes/Conditions
Transmission Line-SFP						
Line Frequency	f <sub>L</sub>		125		MHz	5-level encoding, per IEEE 802.3
Tx Output Impedance	Z <sub>out,TX</sub>		100		Ohm	Differential, for all frequencies between 1MHz and 125MHz
Rx Input Impedance	Z <sub>in,RX</sub>		100		Ohm	Differential, for all frequencies between 1MHz and 125MHz
Host-SFP						
Single ended data input swing	V <sub>insing</sub>	250		1200	mV	Single ended
Single ended data output swing	V <sub>outsing</sub>	350		800	mV	Single ended
Rise/Fall Time	T <sub>r</sub> ,T <sub>f</sub>		175		psec	20%-80%
Tx Input Impedance	Z <sub>in</sub>		50		Ohm	Single ended
Rx Output Impedance	Z <sub>out</sub>		50		Ohm	Single ended