

RJ-SP-10GBASE-T

10G Copper SFP+ Transceiver

Description:

OPTOKON's **RJ-SP-10GBASE-T** Copper Small Form Pluggable (SFP+) transceivers are based on the SFP Multi Source Agreement (MSA). They are compatible with the 10 Gigabit Ethernet and 10GBASE-T/5GBASE-T/2.5GBASE-T/1000BASE-T/100BASE-T standards as specified in IEEE Std 802.3.

RJ-SP-10GBASE-T uses the SFP's RX_LOS (must be pulled up on host) pin for link indication. If pull up or open SFP's TX_DISABLE pin, PHY IC be reset.

Features:

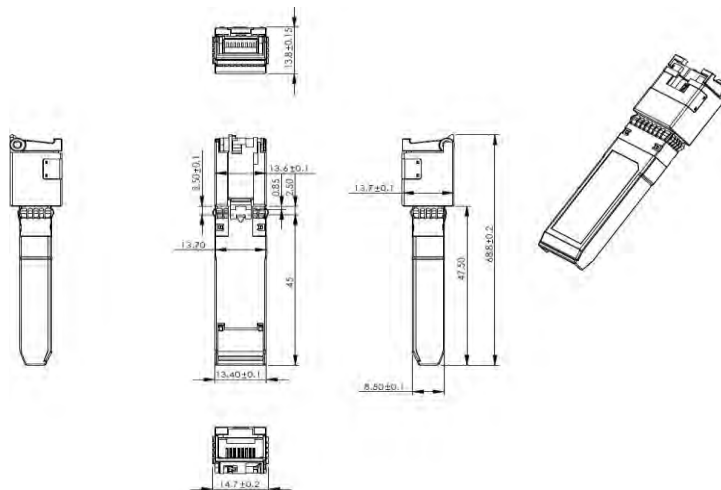
- Support 10Gbase-T / 5Gbase-T / 2.5Gbase-T / 1000Base-T on line port
- Support 10Gbase-R on host port
- Hot-pluggable SFP footprint
- Low power dissipation (max. 4.0 W)
- Compact RJ-45 connector assembly
- Fully metal enclosure, for lower EMI
- RoHS compliant and lead-free
- Single +3.3 V power supply
- 10 Gigabit Ethernet over Cat 6A/7 cable
- Case operating temperature
Commercial: 0°C to +70°C
Industrial: -40°C to +85°C



Applications:

- 10GBASE-T 5GBASE-T 2.5GBASE-T 1000BASE-T

Dimensions:



Cable length:

Line Port	Cable	Distance [m]	Host port
10GBASE-T	CAT6A/7	30	10GBASE-R
5GBASE-T	CAT5E	100	10GBASE-R
2.5GBASE-T	CAT5E	100	10GBASE-R
1000GBASE-T	CAT5E	100	10GBASE-R
100GBASE-T	CAT5E	100	10GBASE-R

Automatic crossover detection is enabled. External crossover cable is not required

Temperature:

RJ-SP-10GBASE-T transceivers are manufactured in the commercial and industrial (I) temperature ranges to provide you all possibilities you need for your application.

Code	Temperature
	0 °C to +70 °C
I	-40°C to +85 °C

Table : Temperature specifications.

Environmental Specifications:

Name	Min	Max	Notes/Conditions
Operating Temperature	0°C, - 40°C	+70°C, +85°C	Case temperature
Storage Temperature	-40°C	+85°C	Ambient temperature

Ordering code:

Part number:	Data rate [Gbps]	Distance [m]	Cable type	Host port	Temperature
RJ-SP-10GBASE-T-xx	10	100, 30	CAT5E, CAT6A/7	10GBASE-R	0 to +70°C
RJ-SP-10GBASE-T-I-xx	10	100, 30	CAT5E, CAT6A/7	10GBASE-R	-40 to +85°C