

# Metallic SFP Transceivers

## Description:

OPTOKON's Copper Small Form Pluggable (SFP) transceivers are based on the SFP Multi Source Agreement (MSA). They are compatible with the Gigabit Ethernet standards as specified in IEEE 802.3. By default it is a full duplex device in preferred master mode with automatic crossover detection. The 10/100/1000 BASE-T operation requires an SGMII interface and 1000BASE-T module works with SERDES interface. Compact RJ-45 connector with fully metal enclosure, for lower EMI is RoHS compliant and lead-free.



## Features

- Up to 1.25 Gbit/s bi-directional data links
- Hot-pluggable SFP footprint
- Low power dissipation(1.05 W typical)
- Compact RJ-45 connector assembly
- Fully metal enclosure, for lower EMI
- RoHS compliant and lead-free
- Single +3.3 V power supply
- 1.25 Gigabit Ethernet over Cat 5 cable

## Ordering codes

Part number:	Speed [Mbps]	Distance [m]	Auto negotiation	Link indicator	Sync-E	Temperature <sup>1</sup>
RJ-LP-DG-XX	1000	100	No	No	No	D, E, I
RJ-LP-DFGA-XX	10/100/1000	100	Yes	No	No	D, E, I
RJ-LP-DGA-XX	1000	100	Yes	No	No	D, E, I
RJ-LP-DFGAL-XX	10/100/1000	100	Yes	Yes	No	D, E, I
RJ-LP-DFGALS-XX	10/100/1000	100	Yes	Yes	Yes	D

## Temperature:

OPTOKON is always trying to satisfy as much market demand as possible and with this in mind, almost all OPTOKON SFP transceivers are manufactured in the commercial (D), extended (E) and industrial (I) temperature ranges to provide you all possibilities you need for your application.

Code	Temperature
D	0 °C to + 70 °C
E	-10°C to + 80 °C
I	-40°C to + 85 °C

Table 1: temperature specifications.

<sup>1</sup> Replace the "D" in part number with desired temperature code (i.e. RJ-LP-IG for 1G SFP, -40°C to +85°C)