

10Gb/s SFP+ Direct Attach Passive Cable x, x=0.5~10m

Features

- ✧ Support for multi-gigabit data rates up to 10.5Gbps
- ✧ Data rates backward compatible to 1Gbps
- ✧ Hot-pluggable SFP 20 PIN footprint
- ✧ Copper link length up to x (x=0.5~10m)
- ✧ I/O Connector designed for high speed
- ✧ differential signal applications
- ✧ Improved Pluggable Form Factor (IPF) compliant for enhanced EMI/EMC performance
- ✧ Compatible to SFP+ MSA
- ✧ Temperature Range: 0~70°C
- ✧ RoHS compliant



Applications

- ✧ High capacity I/O in Storage Area Networks, Network Attached Storage, and Storage Servers
- ✧ Switched fabric I/O such as ultra-high bandwidth switches and routers
- ✧ Data center cabling infrastructure
- ✧ High density connections between networking equipment

Product information

Product Type	24-30 AWG conductor sizes available to achieve maximum performance up to 10m
Conductor Treatment	Laser Stripped Conductors
Cable Type	PVC
Cable Color	Black
Packaging	PE Bag
Retention Force	Minimum 90N, Maximum 170N
Insertion Force	Maximum 40N
Options Include	Customer Specified EEPROM Map Customer Specified Cable Length Low Smoke, Zero Halogen (LSZH) Jackets Custom Colors for Pull Tab and Cable Jackets

PeakOptical A/S

www.peakoptical.com

Email: info@peakoptical.com Phone: +45 7070 2890

Page 1 of 3

Description

The SFP+ passive cable assemblies are high performance, cost effective I/O solutions for 10G Ethernet and 10G Fibre Channel applications. SFP+ copper modules allow hardware manufactures to achieve high port density, configurability and utilization at a very low cost and reduced power budget. The high speed cable assemblies meet and exceed Gigabit Ethernet and Fibre Channel industry standard requirements for performance and reliability.

● Recommended Operating Environment

Parameter	Symbol	Min.	Typical	Max.	Unit
Storage Ambient Temperature		-40		+85	°C
Operating Case Temperature	T _c	0		+70	°C
Relative Humidity	RH	0		85	%

● Pin Function Definitions

PIN #	Name	Function	Notes
1	VeeT	Module transmitter ground	
2	Tx Fault	N/A	Note 1
3	Tx Disable	Transmitter Disable	Note 2
4	SDL	2 wire serial interface data input/output (SDA)	
5	SCL	2 wire serial interface clock input (SCL)	
6	MOD-ABS	Module present, connect to VeeT	
7	RS0	N/A	Note 1
8	LOS	Receiver Loss of Signal Indication	Note 2
9	RS1	N/A	Note 1
10	VeeR	Module receiver ground	
11	VeeR	Module receiver ground	
12	RD-	Receiver inverted data out put	
13	RD+	Receiver non-inverted data out put	
14	VeeR	Module receiver ground	
15	VccR	Module receiver 3.3V supply	
16	VccT	Module transmitter 3.3V supply	
17	VeeT	Module transmitter ground	
18	TD+	Transmitter inverted data out put	

PeakOptical A/S

www.peakoptical.com

Email: info@peakoptical.com Phone: +45 7070 2890

Page 2 of 3

19	TD-	Transmitter non-inverted data out put	
20	VeeT	Module transmitter ground	

Note 1) Signals not supported in SFP+ Copper pulled-down to VeeT with 30K ohms resistor
Note 2) Passive cable assemblies do not support LOS and TX_DIS

● Mechanical Dimensions

