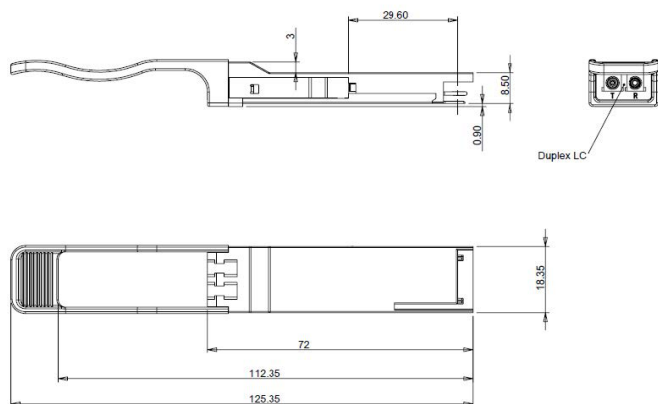




Fibre Optic Active

SFP+ 10GB BIDI SM 20km



Product Description

Briticom® Small Form-Factor Pluggable (SFP) Fibre Optic Transceivers are used to interface networking devices to fibre or copper networking cables in Telecom and data applications.

Features & Benefits

- Up to 10.7Gbps Data Links
- Single Mode LC Receptacle Bi-directional Transceiver
- Up to 10km transmission on SMF
- Power dissipation <1.5W
- 1330nm DFB laser and PIN receiver
- 2-wire interface with integrated Digital Diagnostic monitoring
- EEPROM with Serial ID Functionality
- Compliant with FC-PL4 REV 7.0
- Compliant with SFP+ MSA with duplex LC connector
- Single + 3.3V Power Supply and LVTTTL Logic
- Operating case temperature: Commercial: 0 to 70 °C, Industrial: -40 to 85 °C

Applications & Standards

- 10GBASE-BX at 10.3125 Gb/s
- 10GBASE-BX at 9.953 Gb/s
- 1000 Base-LX Ethernet
- 8XFC at 8.5Gbps
- 4XFC at 4.25Gbps
- 2XFC at 2.125Gbps
- 1XFC at 1.0625Gbps

Recommended Operating Conditions

PARAMETER	SYMB	MIN	TYP.	MAX	UNIT	NOTE
Ambient Operating Temperature	TA	0	-	70	°C	Without Air
Power Supply Voltage	Vcc	3.14	3.3	3.47	V	
Power Supply Current	ICC	-	300	450	mA	
Data Rate	BR		10.3125		GBPS	
Transmission Distance	TD		-	80	km	Note 1
Coupled Fibre		Single Mode Fibre				ITU-T G.652

Notes

.1. Measured with SMF

To Order

To place an order, use the contact details below.





Electrical Interface Characteristics

PARAMETER	SYMBOL	MIN	TYP.	MAX	UNIT	NOTE
Total Power Supply Current	Icc	-	300	450	mA	
Transmitter						
Differential Data Input Voltage	VDT	180	-	700	mVp	
Differential Line Input Impedance	RIN	85	100	115	Ohm	
Transmitter Fault Output - High	VFaultH	2.4	-	Vcc	V	
Transmitter Fault Output - Low	VFaultL	-0.3	-	0.8	V	
Transmitter Disable Voltage - High	VDisH	2	-	Vcc+0.3	V	
Transmitter Disable Voltage - Low	VDisL	-0.3	-	0.8	V	
Receiver						
Differential Data Output Voltage	VDR	300	-	850	mVp	
Differential Line Output Impedance	ROUT	80	100	120	Ohm	
Receiver LOS Pull up Resistor	RLOS	4.7	-	10	KOh	
Data Output Rise/Fall time	tr/tf	20	-	-	ps	
LOS Output Voltage - High	VLOSH	2	-	Vcc	V	
LOS Output Voltage - Low	VLOSL	-0.3	-	0.4	V	

Ordering Information

Use combinations of **bold** letters and numbers to create part numbers for ordering.

Product		Type		Coding Type*	
SFP	SFP	RJ	RJ45	CIS	Cisco
XFP	XFP	SM	Single-mode	HP	HP
QSFP	QSFP	MM	Multimode	JP	Juniper
SFP+	SFP+	BIDI	Bi-Directional	EX	Extreme
		WDM	WDM		Leave empty if no coding
		DDMI	DDMI		
		DWDM	DWDM		
		CWDM	CWDM		
▲		▲		▲	
SFP+	GX	BIDI	20	CIS	
	▼		▼		
100M	ET	100m	100		
1GB	G1	500m	500		
2GB	G2	2km	2		
5GB	G5	10km	10		
6GB	G6	20km	20		
10GB	GX	40km	40		
20GB	G2X	80km	80		
40GB	G4X	120km	120		
100GB	GXX				
Speed		Distance			

*Leave column blank if no coding

Example Part Number	
Description	Part Number
SFP+ 10GB BIDI SM 20km	SFP+GXBIDI20CIS

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