



## 10Gbps SFP+ Active Optical Cables

### Features

- Low power consumption <0.35W per end
- Electrical interface compliant to SFF-8431
- Up to 300m on OM3 MMF
- 850nm VCSEL transmitter, PIN photo-detector receiver
- Operating case temperature 0 °C to +70°C
- 3.3V power supply voltage
- RoHS 6 compliant
- Hot Pluggable SFP+ form factor
- good EMI performance



### Applications

- 10 Gigabit Ethernet
- 1x InfiniBand QDR. DDR, SDR
- High-performance computing clusters
- 4G and 8G Fibre Channel Applications
- Servers, switches, storage, host card adapters and datacenter

### Description

The SFP+ Active Optical Cables are direct-attach fiber assemblies with SFP+ connectors. They have very good power consumption performance. They are suitable for very short distances and offer a cost-effective way to connect within racks and across adjacent racks. Flexlink SFP+ Active Optical Cables's length is up to 300 meters on OM3 MMF.



### Absolute Maximum Ratings

The operation in excess of any absolute maximum ratings might cause permanent damage to this module.

Parameter	Symbol	Min	Max	Unit	Note
Storage Temperature	TST	-20	85	degC	
Relative Humidity(non-condensing)	RH	0	85	%	
Operating Case Temperature	TOPC	0	70	degC	
Supply Voltage	VCC	-0.3	3.6	V	
Input Voltage	Vin	-0.3	Vcc+0.3	V	

### Recommended Operating Conditions and Supply Requirements

Parameter	Symbol	Min	Typical	Max	Unit
Operating Case Temperature	TOPC	0		70	degC
Power Supply Voltage	VCC	3.13	3.3	3.47	V
Power Consumption(per end)		-		0.35	W
Data Rate	DR		10.3		Gbps
Data Speed Tolerance	$\Delta$ DR	-100		+100	ppm