

SFP+ LC Module

Datasheet

SM5110LSA-10

10GBase-BX WDM Bi-Directional SFP+ LC Module



Highlights

- Supports WDM Bi-Directional technology, using a single strand of fiber, cost saving
- Single mode SFP+ LC Transceiver
- Hot-Pluggable with maximum flexibility
- Supports Digital Diagnostic Monitoring (DDM)
- Compatible with 10G Small Form Pluggable Multi-Source Agreement (SFP+)
- Compatible with switches with 10G ports like SG3428X and SG3452X

Note: Use SM5110LSA-10 & SM5110LSB-10 together for fast and reliable connectivity.

Specifications

Hardware Features & Performance

Model		SM5110LSA-10
General Specifications	Form Factor	SFP+
	Support Data Rate	10.3125 Gbps
	Wave Length	Tx: 1330 nm Rx: 1270 nm
	Max. Cable Length	10 km
	Connector	Simplex LC/UPC
	Media	Single-mode Fiber (SMF)
	Core Size	9/125 um
	Transmitter Type	DFB
	Receiver Type	PIN-TIA
	Transmitter Power	-8.2 to 0.5dBm
	Receiver Sensitivity	< -14.4 dBm @10.3125 Gbps
	Receiver Overload	> 0.5 dBm @10.3125 Gbps
	Extinction Ratio	> 3.5 dB@10.3125 Gbps
	Power Supply	3.3 V
	Power Consumption	≤ 1 W
	DDM	Yes
	Standards and Protocols	• IEEE 802.3ae • SFF-8431, SFF-8432, SFF-8472 • 10GBase-BR
	Hot Swappable	Yes
	Regulatory Compliance	CE, FCC, RoHS
Environmental & Physical Specifications	Operating Temperature	0°C to 70°C (32°F to 158°F)
	Storage Temperature	-40°C to 85°C (-40°F to 185°F)
	Operating Humidity	10% to 90% RH Non-condensing
	Storage Humidity	5% to 90% RH Non-condensing