

## LC-SFPSM-10 / -20/ -40 1.25Gbps LC Single Mode SFP Module 10km/ 20km/ 40km

### Features

- Operating data rate up to 1.25Gbps
- 1310nm FP Laser Transmitter
- Single 3.3V Power supply
- Duplex LC Connector Interface
- Hot Pluggable
- Up to 40km over 9/125 single mode fiber
- Operating temperature of 0°C ~ +70°C
- Complies to the SFP MSA standards



### Applications

- Gigabit Ethernet
- Fiber channel
- Switch to switch interface
- High speed I/O for file servers

### Description

The LC-SFPSM **10/20/40** series of SFP modules use duplex LC type connectors and are designed to be used in the LC-MCGSFP Gigabit media converter. Three options are available providing distances of 10km, 20km or 40km over 9/125 single mode fiber using a 1310nm wavelength laser source. These devices also comply with the SFF-8472 SFP Multi-source Agreement (MSA) specification, so they can be used in any media converter that will accept standard SFP modules.

### Regulatory Compliance

Feature	Standard	Performance
Electrostatic Discharge (ESD) to the Electrical Pins	MIL-STD-883E Method 3015.7	Class 1(>500 V) Isolation with the case
Electromagnetic Interference (EMI)	FCC Part 15 Class B	Compatible with standards
Laser Eye Safety	FDA 21CFR 1040.10 and 1040.11 EN60950, EN (IEC) 60825-1, 2	Compatible with Class I laser product. Compatible with TÜV standards
Component Recognition	UL and CUL	UL file E317337
Green Products	RoHS	RoHS6

**Recommended Operating Conditions**

Parameter	Symbol	Min.	Max.	Unit
Supply Voltage	Vcc	3.15	3.45	V
Operating Relative Humidity	-	5	95	%
Storage Temperature	Ts	-40	+85	°C
Operating Temperature	Top	0	+70	°C

**Ordering Chart**

<b>LC-SFPSM-10</b>	SFP Module Single mode Duplex LC (1310nm) transmits up to 10km
<b>LC-SFPSM-20</b>	SFP Module Single mode Duplex LC (1310nm) transmits up to 20km
<b>LC-SFPSM-40</b>	SFP Module Single mode Duplex LC (1310nm) transmits up to 40km

**Diagram**

