

SFP 155M BIDI 1310TX/1550RX

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Variants

20km LC 20KM SC

Details

SFP 155M BIDI (1310TX / 1550RX)

The SFP 155M BIDI transceiver is a reliable and cost-effective optical module designed for SDH/SONET and Fast Ethernet applications. Using bidirectional (BiDi) technology, it enables data transmission over a single fiber, reducing infrastructure cost while maintaining stable performance.

Technical Specifications

Category	Specification
Product Type	SFP Optical Transceiver (BiDi)
Form Factor	SFP (Hot-pluggable)
Data Rate	155 Mbps (OC-3 / STM-1)
Wavelength	TX: 1310 nm / RX: 1550 nm
Transmission Distance	Up to 60 km
Fiber Type	Single Mode Fiber (9/125 μ m)
Connector Type	Simplex LC or SC
Optical Interface	Single Fiber (BiDi)
Laser Type	FP Laser

Category	Specification
Receiver Type	PIN Photodiode
Transmit Power	-9 to -3 dBm
Receiver Sensitivity	? -32 dBm
Overload	? -3 dBm
Extinction Ratio	? 10 dB
Spectral Width	? 3 nm
Power Supply	3.3 V
Power Consumption	? 300 mA
DDM / DOM	Supported (SFF-8472)
Hot Plug	Supported
Compliance	SFP MSA, SFF-8472, ITU-T G.957
EMI	Metal Housing (Low EMI)
Operating Temperature	-5°C to +70°C (Commercial)
Extended Temperature	-20°C to +80°C
Industrial Temperature	-40°C to +85°C
Humidity	0% – 85%
Applications	SDH / SONET, Fast Ethernet, Switch / Router Links