PRODUCT DATA SHEET

Optical Transceiver:CWDM-155M-SFP-120-43

Description:

CWDM-155M-SFP-120-43 is multi-vendor compatible SFP Transceiver module, operating over double fiber single-mode optical cable with maximum distance 120km. CWDM-155M-SFP-120-43 uses 1430nm transmitting DFB laser and PIN receiver supporting all ITU-T G.694.2 grid 1270-1610nm and supports 100-155Mbps data rates.

CWDM-155M-SFP-120-43 SFP Transceiver is fully compliant to SFP Multi Source Agreement SFF-8472 and it can be provided with custom-encoded firmware, in order to provide compatibility of most equipment vendors platforms in data communications industry.

Key Highlights:

- Type: SFP
- Tx/Rx Wavelength: 1430/G.694.2 CWDM Grid (1270-1610nm)
- Media Type: Single-Mode Fiber
- Optical Budget: 36 dB
- Max. Distance: 120 km
- Data Rate: 100-155 Mbps
- Temperature: Standard 0°-70°C

TECHNICAL SPECIFICATION

Parameter	Value
Product Type:	CWDM-155M-SFP-120-43
Media Type:	Single-Mode Fiber
TX Wavelength:	1430 nm
RX Wavelength:	1270-1610 nm
Minimum Optical Budget:	36 dB
Maximum Distance:	120 km
Supported Data Rate:	100 - 155 Mbps
Supported Applications:	• FE Ethernet (100 Mbps) • STM-1 (155 Mbps)
DDM/DOM:	Supported
Temperature Range:	Standard 0°-70°C
Connectors:	Double LC
Tx Wavelength Bandwidth:	20 nm (1420nm-1440nm)
Rx Wavelength Bandwidth:	G.694.2 grid: 1270-1610 nm
Transmitting Power (Min/Max):	0/5 dB
Receiver Sensitivity:	-36 dB
Receiver Overload:	-7 dB
Dispersion:	2600-2700 ps/nm
Laser:	DFB
Receiver Type:	PIN
Chip:	SEMTECH/UX
Power:	+3.3V single power supply
Compliance:	• SFP MSA, • SFF-8431, • RoHS, CE, Class 1 FDA • IEC60825-1 Laser Safety Compliant

edge
OPTICAL SOLUTIONS

▌Compatibility

EDGE Optical transceivers can be provided with custom-encoded firmware, in order to provide compatibility with more then 50 vendor brands in data and telecom communications industry:

MS - General MSA	**ER** - Ericsson	**IN** - Intel	**RD** - RAD
AD - ADVA	**EX** - Extreme Networks	**JU** - Juniper Networks	**RU** - Ruijie Networks
AL - Alcatel-Lucent	**F5** - F5 Networks	**LI** - Linksys	**SM** - Supermicro
AR - Arista	**FO** - Fortinet	**ML** - Mellanox	**SY** - Synology
AV - Avaya	**FU** - Fujitsu	**ME** - Meraki (Cisco)	**TC** - Telco Systems
BR - Brocade	**H3** - H3C	**MT** - MikroTik	**TP** - TP-LINK
CN - Ciena	**HI** - Hirschmann	**MO** - Moxa	**TN** - Trendnet
CI - Cisco	**HP*** - HP Networking	**MR** - MRV	**WG** - WatchGuard
DL - Dell & Force10	**HS*** - HP Storage	**NG** - Netgear	**ZT** - ZTE
DK - D-Link	**HU** - Huawei	**NS** - NSN	**XX** - Other
EM - EMC2	**IB** - IBM	**PA** - Palo Alto Network	
ET - Enterasys	**IF** - Infinera	**QL** - Qlogic	

* - Please note HP compatible module prices can be higher then prices indicated in this material due to special requirements in coding. If you require HP compatibility, for exact pricing please contact our sales team: sales@edgeoptic.com

▌Product Quality

We focus on strict product quality tests before each delivery, performing optical parameter tests, connector cleanliness tests and firmware verification tests to ensure our delivered products fully meets the promised product technical specification and compatibility requirements.
EDGE Optical transceivers are CE, ROHS certified and have passed Telecordia reliability tests.

▌Warranty

EDGE Optic's provides a limited **warranty for sixty (60) months** from Purchaser's receipt of the Equipment represented in this data sheet against defective design or workmanship.