

OEO Converter

**MAKE YOUR
OPTICAL NETWORKS
MORE RELIABLE**



OEO converters are designed for the fiber transmission systems with data rate from 100Mbps to 2.5Gb/s, and generally taken as the repeater, wavelength converter, mode(fiber) converter.etc.

Features

- Protocol Transparent
- Easy to convert wavelength or mode
- Plug and play

Applications

- SDH STM-16 systems
- Extent transmission distance

Specifications

Parameter			Unit	Value						
				100M~1.25Gb/s			2.5Gb/s			
			dBm	Min	Typ	Max	Min	Typ	Max	
Output Power ¹			dB	-2		+2	-3		+2	
Extinction Ratio				8.2			8.2			
Input Wavelength	Short wavelength		nm	760		870	1100		1650	
	Long wavelength			1100		1650				
Output Wavelength			nm	850、1310、1550			1310、1550、ITU-T G.691、ITU-T G.694.2			
Input Power	Long Wavelength(only PIN)	155Mb/s	dBm	-37		-3				
		622Mb/s		-28		-3				
		1.25Gb/s		-21		-3				
	Short Wavelength (only PIN)		1.25Gb/s	dBm	-18		-3			
	2.5Gb/s(Long Wavelength)	PIN	dBm				-18		-3	
		APD					-28		-8	
Jitter							Conform to ITU-T G.958			
SMSR			dB				30			
Operation/ Storage Temperature			℃	0~~+50/-40~~+85						
Power Supply			V	220V AC & -48V DC						
Power Consumption/Channel			W			5			5	
Package			mm	19inch 1U rack mount:483×255×44、19inch 4U rack mount:483×290×178						

Note:1、-20~-15dBm@1310nm multimode; -8~-5dBm@850nm multimode

Ordering information

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Power	Package
A:-48V DC	11:483×255×44mm(N.A for 2.5Gb/s)
B:220V AC	14:483×290×178

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Bit Rate	Conversion Mode	Distance	Receiver Type	Operation Wavelength	Connector	Package
1:100/155Mb/s 4:622Mb/s 8:1.25Gb/s 16:2.5Gb/s	MMSS、 MS、SM SS、MM	1:0.5Km 2:2Km 15:15Km 40:40Km 80:80Km	P:PIN A:APD	33:1310/1310nm, 35:1310/1550nm, 53:1550/1310nm, 55:1550/1550nm, 83:850/1310nm, 85:850/1550nm. 88:850/850nm	FC/UPC、 SC/PC customer specify	11:483×255×44mm (N.A for 2.5Gb/s) 14:483×290×178

Note:MMSS(multi-mode fiber to single-mode fiber& single-mode fiber to multi-mode fiber) MS(multi-mode fiber to single-mode fiber)
SM(single-mode fiber to multi-mode fiber) SS(single-mode fiber to single-mode fiber) MM(multi-mode fiber to multi-mode fiber)