

100M~2.5Gb/s OEO Converter (sub rack)

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The 100M~2.5Gb/s OEO converters are suitable for the fiber transmission systems with data rate from 100Mbps to 2.5Gbps, and generally taken as the repeater, wavelength converter, media(fiber) converter, etc.

Features

- Protocol Transparent
- Easy to convert wavelength or mode

Applications

- SDH/SONET、ATM、 ethernet system
- CDMA base station

Specifications

Parameter	Unit	Value						
		100M~1.25Gb/s			2.5Gb/s			
		Min.	Typ.	Max.	Min.	Typ.	Max.	
Output power ¹	dBm	-2		+2	-3		+2	
Extinction ratio	dB	8.2			8.2			
Input wavelength	Short wavelength	nm	760		870			
	Long wavelength	nm	1100		1650		1650	
Output wavelength	nm	850、1310、1550			1310、1550、ITU-TG.691、ITU-T G.694.2			
Input power	Long Wavelength (only PIN)	155Mb/s	dBm	-37		-3		
		622Mb/s	dBm	-28		-3		
		1.25Gb/s	dBm	-20		-3		
	Short Wavelength (only PIN)	1.25Gb/s	dBm	-17		-3		
		2.5Gb/s	PIN				-18	-3
(Long Wavelength)	APD	dBm				-28	-8	
Jitter		Conform to ITU-TG.958						
SMSR	dB				30			
Operating/storage temp.	°C	0~50/-40~+85						
Power supply	V	220 AC or -48 DC						
Power consumption	W				5	5		
Package	mm	Block(130×145×32)、19inch rack mount(483×255×44)、21 inch rack mount(530×200×50)						

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

Ordering information

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	SC、FC/UPC	11:483×255×44 21:530×200×50 A:130×145×32 (N.A. for 2.5Gb/s)

Note: MMSS(bi-direction multi-mode to single mode convertor) MS(single direction multi-mode to single-mode convertor)
SM(single direction single-mode to multi-mode convertor) SS(single direction single-mode to single-mode convertor)
MM(single direction multi-mode to multi-mode convertor)