

100M~2.5GbsOEO Converter (plug and play)

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

Features

Extent transmission distance
Protocol Transparent

Applications

Easy to convert wavelength or mode
SDH STM-16 systems

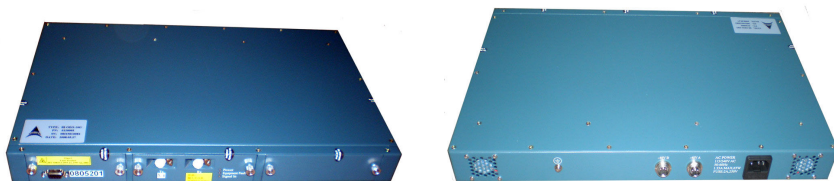
Parameter		Unit	Value						
			100M~1.25Gb/s			2.5Gb/s			
			Min	Typ	Max	Min	Typ	Max	
Output Power'		dBm	-2		+2	-3		+2	
Extinction Ratio		dB	8.2			8.2			
Input Wavelength	Short wavelength	nm	760		870	1100		1650	
	Long wavelength		1100		1650				
Output Wavelength		nm	850、1310、1550			1310、1550、ITU-TG.691、ITU-TG.694.2			
	Long Wavelength(only PIN)	155Mb/s	-37		-3				
		622Mb/s	-28		-3				
		1.25Gb/s	-21		-3				
Input Power	Short Wavelength (only PIN)	1.25Gb/s	dBm	-18		-3			
	2.5Gb/s(Long Wavelength)	PIN	dBm			-18		-3	
		APD	dBm			-28		-8	
Jitter			Conform to ITU-TG.958						
SMSR		dB				30			
Operating/ Storage Temperature		°C	0~+50/-40~+85						
Power Supply		V	220V AC & -48V DC						
Power Consumption/Channel		W				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

10G OEO System

Overview

10Gb/s optical wavelength system is used for converting light wavelength into other wavelength with different parameters based on optical-electric-optical conversion. It can support various of systems. such as 10Gb/s SDH/SONET, 10Gb/s Ethernet, and can be used to extent transmission distance.



Front View

Back View

Applications:

1. SDH/SONET STM-64/OC-192
2. 10G Ethernet System

Features:

Data transfer rate:9.9532Gbit/s,10.3125Gb/s

DWDM output wavelengths available

Technical Data:**Typical**

Parameter	Unit	Value		Test condition
Target Distance	km	1	40/80	ITU-
Optical Path Penalty	dB	1	2	G.652 SMF
Center Wavelength	nm	1270 ~	1530 ~	ITU-T
			DWDM	ITU-T
Output Optical Power Level	dBm	-6 ~ -	-3 ~ 2	
Spectralum Width(-20dB)	nm	1	0.4	NRZ@10Gb/s
SMSR	dB	30		
Extinction Ratio	dB	6	8.2	
Receiver Wavelength	nm	1100~1650		
Receiver Sensitivity	dBm	-14(PIN)		
		-22(APD)		
Receiver Overload Power	dBm	-1(PIN); -8(APD)		
Reflection	dB	-27		
Operating Temperature		0 ~		
Storage Temperature		-40 ~ +85		
Relative Humidity		90%		
AC Power Supply	V	220		
DC Power Supply	V	-48		
Power Consumption	W/ch	15		

Application:

