



The 10Gb/s optical wavelength convertor 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 extend transmission distance.

Features

- Data transfer rate: 9.9532Gbit/s, 10.3125Gb/s
- DWDM output wavelengths available

Applications

- STM-64/OC-192
- 10G Ethernet System

Specifications

Optical interface characteristics (T=25°C, PRBS 2³¹-1, BER=10⁻¹²)

Parameter	Unit	Value	Test Condition
Target distance	Km	40/80	ITU-T G.691
Optical path penalty	dB	≤ 2	G.652 SMF
Transfer part:			
Center wavelength	nm	1530~1565	ITU-T G.691
		DWDM specific wavelength	ITU-T G.694.1
Output optical power level	dBm	-3~+2	
Spectral width (-20dB)	nm	≤ 0.4	NRZ@10Gb/s
SMSR	dB	≥ 30	
Extinction ratio	dB	≥ 8.2	
Receiver Part:			
Receiver wavelength	nm	1100~1650	
Receiver sensitivity	dBm	≤ -14(PIN) ; ≤ -22(APD)	
Receiver overload power	dBm	≥ -1(PIN) ; ≥ -8(APD)	
Reflection	dB	≤ -27	
Operating/storage temp	°C	0 ~ 50/-40 ~ 85	
Relative humidity		≤ 90%	
AC Power supply	V	220 AC	
DC Power supply	V	-48 DC	
Power consumption	W	≤ 15	

Ordering information

Bit rate	Conversion mode	Dispersion limited distance	Receiver type	Output wavelength	Connector	Power	Package
1: 9.95Gb/s 2: 10.3Gb/s 3: 10.6Gb/s 4: 10.7Gb/s	MS, SS	40: 40Km 80: 80Km	P: PIN A: APD	0: C-band wavelength (1530~1565nm) 1: ITU-T G.694.1 defined	FC, SC/UPC	A: -48V DC B: 220V AC	11: 483×285×44mm

Note: MS(single direction multi-mode to single-mode convertor) SS(single direction single-mode to single-mode convertor)