CWDM OEO converter (sub rack)

The Coarse Wavelength Division Multiplexing (CWDM) fiber optics converter can multiplex eight different wavelengths (20nm spacing) into one fiber and to be demultiplexed at the other end of the fiber, what's more, it supports various of systems such as Fast Ethernet, Gigabit Ethernet, Fiber Channel, STM-1/4/16. So, for cable-shortage areas, the converter provides a very powerful solution, and a cost-effective alternative to CWDM for short or medium distances. It's usually used with a DEMUX.

Features

- Cost-effective solution
- Operating channels available in 2 ~ 8 wavelength configuration
- Protocol Transp arent, and support network topologies such as point to point, point to multi-points, ring

Applications

- Metro/Access Transport Networks
- Data system
- SDH system
- PDH、ATM system

Specifications

Parameter			Unit	Value		
				Min.	Typ.	Max.
Bit rate				100Mb/s		2.5Gb/s
Output power level per channel			dBm	-5		+4
Extinction ratio			dB	8.2		
SMSR			dB	30		
Centre wavelength			nm	ITU-T G.694.2 defined wavelength		
Wavelength temperature drift			nm/℃	0.08		
Spectrumal width(-20dB)			nm			1
Input power	PIN	100Mb/s~1.25Gb/s	dBm	-21		-3
		2.5Gb/s	dBm	-18		-3
	APD	2.5Gb/s	dBm	-28		-8
Receiver optical wavelength range			nm	1100		1650
Operating temperature /storage temperature			℃	0~50/-40~+85		
Power supply			V	220 AC or -48 DC		
Package			mm	19inch 1U(483×355×44)		

Ordering information

| OEO — CWDM — □ — □ — □ — □ — □ — □ — □ — □ — □ — □□ |

1:100/155Mb/s 4:622Mb/s 8:1.25Gb/s 16:2.5Gb/s	MS、SM、 SS、EESS	40:40Km、 80:80Km	1:820~870nm/PIN 2:1100~1650nm/PIN 3:1100~1650nm/APD	1:single fiber, one direction 2:single fiber, bi-direction 3:dual fiber, bidirection	1:1 channel : 8:8 channel	LC	UPC	A:-48 V DC B:220 V AC	11:483×355×44
Bit rate	Conversion mode	Distance	Receiver type	Operate mode	Channel number	Connector	End-face	Power	Package

Note: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)   EESS(rj45 to single mode convertor, only for oe)