

Optical signal regeneration converter

OEO card

Product overview

OEO is optical signal regeneration conversion equipment based on the principle of O-E-O. The product is applied to optical signal wavelength conversion, single mode conversion, relay amplification, signal regeneration and other occasions and is widely used in the field of optical communication.

Product application

- SDH
- Ethernet
- C/DWDM

Product features

- Full rate access: 155Mbps~11.3Gbps
- Full service access: Ethernet, P/SDH, ATM, etc.
- Support 3R function
- Single card supports 4-channel two-way/8-channel one-way business processing
- High level of integration by plug-in design, which saves space of cabinet
- Expansion is very convenient



Performance Index

Parameters		Unit	Specifications				
9.95~11.3 Gbps	Working wavelength	nm	850	1310	1550/CWDM/DWDM		
	Transmission distance	km	0.3	10	40	80	
	Input power range	dBm	-11~-1	-14~0	-16~0	-24~-7	
	Output power range	dBm	-6~-1	-6~0	-1~+3	0~+4	
2.5Gbps	Working wavelength	nm	1310	1550/CWDM/DWDM		DWDM	
	Transmission distance	km	20	40	80	120	
	Input power range	dBm	-18~0	-18~0	-28~-10	-30~-10	
	Output power range	dBm	-5~0	-2~+3	0~+5	0~+5	
1.25Gbps	Working wavelength	nm	850	1310	1550/CWDM/DWDM		
	Transmission distance	km	0.55	10	40	80	120
	Input power range	dBm	-18~-3	-18~-3	-24~-1	-24~-1	-31~-9
	Output power range	dBm	-9~-3	-9~-3	-5~0	0~+5	0~+5
622Mbps	Working wavelength	nm	1310	1550/CWDM		1550	
	Transmission distance	km	20	40	80	120	
	Input power range	dBm	-28~-8	28~-8	28~-8	-31~-9	
	Output power range	dBm	-14~-8	-5~0	-3~+2	0~+5	
155Mbps	Working wavelength	nm	1310	1550/CWDM			
	Transmission distance	km	20	40	80	120	
	Input power range	dBm	-32~-3	-34~-	-34~-9	-34~-9	
	Output power range	dBm	-14~-8	-7~-2	-5~0	0~+5	

Extinction ratio	dB	≥ 10
dithering performance		Conform ITU-T G.825 (2000)
SMSR	dB	> 30
Consumption	W	< 15