

[OEPAS-OPDM]

## OEO fiber optics converter

### Features:

- Cost-effective solution
- Protocol transparent

### Applications:

- Fiber communication systems
- Wavelength conversion
- Media (fiber type) conversion
- Field maintaining

### Product description:

OEO fiber optics converters are suitable for the transmission systems with data rate between 10Mbps to 2.5Gbps and generally taken as the repeater, wavelength converter, media (fiber) converter, etc.

### Ordering Information:

- Channel numbers: 1, 2 channel, customer request
- Data Rate: 155Mb/s, 622Mb/s, 1.25Gb/s, 2.5Gb/s
- Distance: 0.5km, 2km, 15km, 40km, 80km
- Input fiber type: Single mode, multi-mode
- Input wavelength: 760~870nm, 1100~1610nm
- Output wavelength: 850nm, 1310nm, 1550nm
- Supply power type: 220V AC, -48V DC, 110V AC
- Fiber connector type: SC/PC, FC/PC, FC/APC, SC/APC, LC/PC, MU/PC

## Product specifications

Parameters	Unit	OEPAS-OPDM			
		155Mb/s	622Mb/s	1.25Gb/s	2.5Gb/s
Receiving Wavelength	nm	760~870 or 1100~1600			
Input/output fiber type		Multi-mode or single mode			
Transmit wavelength	nm	850, 1300, 1310, 1550			
Transmission distance	km	A: short distance ( $\leq 15$ ), B:medium distance ( $\geq 40$ ), long distance ( $\geq 80$ )			
Receiving Sensitivity	dBm	A: $\leq -28$ , B/C: $\leq -37$	$\leq -29$	$\leq -20$	PIN: $\leq -21$ , APD: $\leq -28$
Receiving Over-Loading Point	dBm	$\geq -3$	$\geq -3$	$\geq -3$	PIN: $\geq 0$ , APD: $\geq -8$
Output power	dBm	A: $-10 \sim -5$ B: $-5 \sim +2$	A: $-10 \sim -5$ B: $-3 \sim +2$	$-11.5 \sim -3$	$-4 \sim 0$
AC supply voltage	V	90~260 (47 ~ 63 Hz)			
DC supply voltage	V	36~72			
Humidity		$< 90\%$			
Operating Temperature	$^{\circ}\text{C}$	0~50			
Storage Temperature	$^{\circ}\text{C}$	$-40 \sim +85$			
Power	W	$< 3$			
Dimension	mm	169x35x168			

\* Some limitations apply.

\*\*Tuning range can significantly vary depending on FBG specifications.

\*\*\* Recommended values. The ambient environment temperature can limit the performance, incl. the tuning range.