

50/100 GHz Interleaver

(100/200 GHz Interleaver)

Our interleaver is based on a patented technology. It is a three-port optical passive device. When a series of wave with frequency space v space this device, the wave will be de-multiplexed to two series of waves with frequency of space $2v$ and interleaved output to the other two ports. The optical interleaver is completely passive and does not need temperature control. It has an excellent environmental stability. It meets Telcordia GR-1221-CORE requirements.

Features of our product:

- Low insertion loss
- Low Dispersion
- Highly Stable & Reliable
- Completely Passive
- Optical path epoxy free

Applications for our product:

- WDM systems
- Interleaver and De-Interleaver
- OADM
- Comb Filter
- Comb Optical Source

Specifications:

Parameter	Unit	50Ghz	100Ghz
Wavelength	nm	C-Band: 1528 ~ 1568nm, L-Band: 1568 ~ 1610nm	
Center Wavelength		ITU-T Standard Wavelength	
Wavelength Accuracy * (1)	nm	+/- 0.02	+/- 0.04
Passband	Ghz	+/-8	+/-15
Insertion Loss * (2)	dB	2.2	1.6
Bandwidth @ 0.5 dB	nm	>0.17	>0.35
Bandwidth @ 25 dB	nm	<0.7	<1.3

Ripple	dB	<0.5	
Uniformity	dB	<0.5	
Isolation	dB	>25	
Return Loss	dB	>45	
Directivity	dB	>55	
PDL	dB	<0.3	
PMD	dB	<0.2	
Dispersion	Ps/nm	+/-15	+/-10
IL Temperature Stability	dB/C	<0.003	
WL Temperature Stability	pm/C	<0.7	
Operation Temperature		0 C ~ +65 C	
Storage Temperature		-40 C ~ +85 C	
Dimension	mm	A:122 x 32 x 12	A: 87 x 32 x 12

* (1) the average of wavelength within 1dB bandwidth

* (2) within full passband not include connectors loss

Ordering information:

- Connectors: FC/UPC, FC/APC, SC/UPC, or SC/APC
- Band: S band, C band, L band
- Channel space: 100Ghz, 50Ghz, 25 Ghz
- Start Freq: Special, 204.0, 204.025, 204.05, 204.075, 196.1, 196.125, 195.15, 196.175, 191.2, 191.225, 191.25, 191.275 THz
- Cable: 250um, 900um tubing
- Fiber length: 0.5m, customers request
- Package: Type A
- **100/200 Ghz Interleaver** available too

We have unbeatable price for this product.

- Price is updating, please make a request for our most recent price by calling (514) 334-4588 or by emailing sales2@o-eland.com