

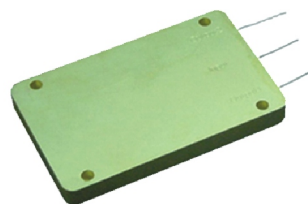
## OPTICAL INTERLEAVER

### Features

- Available in 50G & 100G spacing
- Low insertion loss & dispersion
- Optical path epoxy free
- Completely passive
- Compact size
- Telcordia compliant
- RoHS compliant

### Applications

- Long haul/Metro networks
- Network capacity expansion



### Specifications

Parameter		Specification		Unit
Input Channel Spacing		50/100	25/50	GHz
Operating Wavelength Range		C, L band	C band	
Channel Center Wavelength		ITU-T grid	ITU-T grid	
Input Channel Spacing		50	25	GHz
Output Channel Spacing		100	50	GHz
Channel Clear Passband		8	5	GHz
Insertion Loss	Max	1.8 (Typ 1.5)	3.0	dB
Ripple	Max	0.4	0.5	dB
Insertion Loss Uniformity	Max	0.5	1.0	dB
Isolation	Min	22 (Typ 25)	22	dB
Polarization Dependent Loss	Max	0.35	0.5	dB
Polarization Mode Dispersion	Max	0.2	0.5	ps
Return Loss	Min	45	45	dB
Directivity	Min	50	50	dB
Chromatic Dispersion	Max	75 or 20	140 or 50*	ps/nm
Operating Temperature Range		0~+70	0~+70	°C
Storage Temperature Range		-40~+85	-40~+85	°C
Maximum Power Handling		300	300	mW
Package Dimension (L*W*H)		120*90*14 (Type 1), 85*65*12 (Type 2)		mm

1. All values referenced without connector.

2. ± 50 can be achieved by TEC control

### Order Information

#### ITV-A-B-C-D-E

A	Input Channel Spacing	1: 50GHz 2: 25GHz
B	Fiber Type	1: 250m bare fiber 2: 900 μ.m fiber
C	Package Dimension	1: 120mm*90mm*14mm 2: 85mm*65mm*12mm
D	Connector Type	0: Without connector 1: FC/PC 2: FC/UPC 3: FC/APC 4: SC/PC 5: SC/UPC 6: SC/APC 7: ST 8: LC 9: MU X: Customized