

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
Operating Wavelength Range	1529.55~1561.42	nm
Operating Frequency Range	192000~196000	GHz
Channel Center Wavelength	ITU-T grid	nm
Input Channel Spacing	50	GHz
Output Channel Spacing	100	GHz
Channel Clear Passband	±8	GHz
Insertion Loss	Max 1.8 (Typ 1.5)	dB
Ripple	Max 0.4	dB
Insertion Loss Uniformity	Max 0.5	dB
Isolation	Min 22 (Typ 25)	dB
Polarization Dependent Loss	Max 0.35	dB
Polarization Mode Dispersion	Max 0.2	ps
Return Loss	Min 45	dB
Directivity	Min 50	dB
Chromatic Dispersion	Max ±75	ps/nm
Operating Temperature Range	0~+70	°C
Storage Temperature Range	-40~+85	°C
Maximum Power Handling	300	mW
Package Dimension (L*W*H)	Type 1: 120*90*14 Type 2: 85*65*12	mm

1. All values referenced without connector.

Order Information

ITV – A – B – C – D

A	Input Channel Spacing	1: 50GHz 2: 100GHz
B	Fiber Type	1: 250μm bare fiber 2: 900μm 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