3-Port CWDM Device

Features / Benefits

- Low insertion loss
- High channel isolation
- Low PDL & PMD

Applications

- Metro/access networks

Specifications

Parameters			Unit	Specification		
				Standard	High Isolation	Wide Passband
Channel Spacing			nm	20		
Operating Wavelength Range			nm	1450 ~ 1630		
Pass Channel (C↔P)	Center Wavelength λ_C		nm	1471(0), 1491(0), 1511(0), 1531(0) 1551(0), 1571(0), 1591(0), 1611(0)		
	Pass Band	Min.	nm	± 6.5	± 5	± 7
	Insertion Loss	Max.	dB	0.7	1.0	1.0
	Adjacent Isolation	Min.	dB	30	55	30
	Non-adjacent Isolation	Min.	dB	45	55	45
	Ripple	Max.	dB	0.3	0.3	0.3
Reflection Channel (C↔R)	Insertion Loss	Max.	dB	0.4	0.5	0.5
	Isolation @ Pass Band	Min.	dB	14	14	14
Directivity		Min.	dB	55	55	55
Optical Return Loss		Min.	dB	45	45	45
Polarization Dependent Loss		Max.	dB	0.1	0.1	0.1
Polarization Mode Dispersion		Max.	ps	0.1	0.1	0.1
Thermal Wavelength Drift		Max.	nm/°C	0.003	0.003	0.003
Thermal Stability		Max.	dB/°C	0.004	0.004	0.004
Operating Temperature			°C	-5 ~ 70		
Storage Temperature			°C	-40 ~ 85		
Max. Optical Power		Min.	mW	500		
Max. Tensile Load		Min.	N	5		
Fiber Type			-	SMF-28		
Dimension			mm	ϕ5.5 x 32 for 250 μm bare fiber ϕ5.5 x 39 for 900 μm loose tube		

Note: Return loss without connector; insertion loss does not include connector

Ordering Information

C	W	D	V									

Grade
S= Standard
H= High isolation
W= Wide passband

Center Wavelength
e.g. 1470=1470 nm
1471=1471 nm

Fiber Type
0=SMF-28

Fiber Length
0=0.5 m
1=1 m
2=2 m
3=3 m

Pigtail type
0=250 μm
1=900 μm loose tube

Connector Type
0=None
1=FC/PC
2=FC/SPC
3=FC/APC
4=SC/SPC
5=SC/APC
6=ST
7=FC/UPC
8=SC/UPC
9=MU
A=LC

This product information is subject to change without notice.