200GHz DWDM 3-Port Device

Features / Benefits

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

Applications

- DWDM networks

Specifications

Parameters			Unit	Specification
Channel Spacing			GHz	200
Operating Wavelength Range			nm	1525 ~ 1610
Pass Channel (C↔P)	Center Wavelength λ_C		GHz	ITU Grid
	Pass Band @0.5 dB	Min.	nm	± 0.25
	Insertion loss	Max.	dB	1.0
	Adjacent Isolation	Min.	dB	28
	Non-adjacent Isolation	Min.	dB	40
	Ripple	Max.	dB	0.5
Reflection Channel (C↔R)	Wavelength range λ_R		nm	$>\lambda_C + 1.35$nm & $<\lambda_C - 1.35$nm
	Insertion loss	Max.	dB	0.5
	Isolation @$\lambda_C \pm 0.25$ nm	Min.	dB	12
Directivity		Min.	dB	50
Optical Return Loss		Min.	dB	45
Polarization Dependent Loss		Max.	dB	0.1
Polarization Mode Dispersion		Max.	ps	0.1
Chromatic Dispersion in Passband		Max.	ps/nm	± 20
Thermal Wavelength Drift		Max.	nm/°C	0.003
Thermal Stability		Max.	dB/°C	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	ϕ 5.5x32 for 250μm bare fiber ϕ 5.5x39 for 900μm loose tube

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

Ordering Information

D	W	2	V									

Spacing
2= 200GHz

Center Frequency
e.g. 92900 =192.9 THz

Fiber Type
1=SMF28

Fiber Length
0=0.5m
1=1.0m
2=1.5m
3=2.0m

Pigtail
1=250μm Bare fiber
2=0.9mm 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.