High Power CWDM Single Channel Device

FEATURES

- High Isolation
- Low Insertion Loss
- Epoxy-Free Optical Path
- High Reliability and Stability

APPLICATIONS

- Broadband Systems
- Optical Add/Drop Multiplexing
- Metro/Access Networks
- CWDM Systems

SPECIFICATIONS

Parameters		Unit	Value
Center Wavelength		nm	1270-1610, 1271-1611
Channel Spacing		nm	20
Channel Passband Width		nm	+/-6.5
Configuration	D Type	-	2-port Bandpass Filter
	Y Type	-	3-port WDM Filter
Pass Channel Insertion Loss		dB	≤1.0
Ref. Channel Insertion Loss (Only for Y Type)		dB	≤0.8
Pass Channel Ripple		dB	≤0.3
Pass Channel Adjacent Channel Isolation		dB	≥30
Pass Channel Non-adjacent Channel Isolation		dB	≥40
Ref. Channel Isolation (Only for Y Type)		dB	≥12
Optical Return Loss		dB	≥45
Directivity		dB	≥50
Polarization Dependent Loss		dB	≤0.1
Polarization Mode Dispersion		ps	≤0.1
Fiber Type		-	SMF-28 Fiber or 10/130um DC Fiber (O) 12/130um DC Fiber (T) or 20/130um DC Fiber (Q) 25/250um DC Fiber (R) or 25/300um DC Fiber (G)
Fiber Tensile Load		N	5
Max. Optical Power (CW)		W	1, 2, 3, 5, 10, 15, 20, 25, 30, 40, 50, 60
Operating Temperature		°C	0~70
Storage Temperature		°C	-40~85
Package Dimension	Stainless Steel Tube (SST)	mm	Ø5.5xL35 (≤5W); Ø6.0xL50 (5~10W)
	Metal Box	mm	H: L90xW12xH10 (>10W); M: L120xW12xH10 (≤10W)

Note: 1. Specifications are for device without connectors; Specifications may change without notice.

2. To add connectors, IL is 0.3dB higher, RL is 5dB lower.

3. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.

4. Devices for higher optical power or with other type fiber or consigned fiber are also available; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.

5. Package size may be different for different optical power and configurations.

ORDERING INFORMATION (PN)

FCWS - NNNN - (C) -HP NN - (C) (C) C NN -CC/CCC

Center Wavelength	*Configuration*	*Optical Power*	*Package*	*Fiber Type*	*Fiber Sleeve*	*Fiber Length*	*Connector Type*
1471= 1471nm	D=D Type	1= 1W	M=Metal Box	O=10/130 DC Fiber	B= Bare fiber	05=0.5m	N=Without Connector
1510= 1510nm	*Blank* for Y Type	3=3W	*Blank* for SST	T=12/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
1550= 1550nm		5= 5W	or >10W	G=25/300 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
1611= 1611nm		10=10W		*Blank* for SMF-28 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector