

CWDM Single Channel Device for Pulse Power

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. Average Optical Power	W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20, 25, 30, 40, 50, 60	
Max. Peak Power for Pulse	kW	0.1, 1, 2, 3, 5, 10, 15, 20	
Operating Temperature	°C	0~70	
Storage Temperature	°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	∅5.5x ^L 35 (≤5W); ∅6.0x ^L 50 (5~10W)
	Metal Box	mm	H: ^L 90x ^W 12x ^H 10 (>10W); M: ^L 120x ^W 12x ^H 10 (≤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)	-H NN	P NN	(C)	(C)	C	NN	- CC/CCC
Center Wavelength	Configuration	Average Power	Peak Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1471-1471nm	D-D Type	03-300mW	01-100W	M-Metal Box	O=10/130 DC Fiber	B= Bare fiber	05=0.5m	N=Without Connector
1510-1510nm	Blank for Y Type	1-1W	1-1kW	Blank for SST	T=12/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
1550-1550nm		5-5W	10-10kW	or >10W	G=25/300 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
1611-1611nm		10-10W	20-20kW		Blank for SMF-28 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector