High Power CWDM Single Channel PM Device

FEATURES

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

APPLICATIONS

- Broadband Systems
- Optical Add/Drop Multiplexing
- Telecommunication Networks
- 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 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
Extinction Ratio	Standard	dB	≥18
	High ER Type	dB	≥20
Fiber Type		-	PM1310/1550 Panda Fiber or 10/125um PMDC Fiber (O) 12/130um PMDC Fiber (T), 20/130um PMDC Fiber (Q) 25/250um PMDC Fiber (R) or 25/300um PMDC 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, ER is 2dB Lower, Connector key is aligned to slow axis.

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

4. High ER type can only work in slow axis at pass port.

5. 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.

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

ORDERING INFORMATION (PN)

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

Center Wavelength	*Configuration*	*Type*	*Optical Power*	*Package*	*Fiber Type*	*Fiber Sleeve*	*Fiber Length*	*Connector Type*
1471= 1471nm	D=D Type	R=High ER	1= 1W	M=Metal Box	2=PM1310/1550Fiber	B= Bare fiber	05=0.5m	N=Without Connector
1510= 1510nm	*Blank* for Y Type	*Blank* for Standard	3=3W	*Blank* for SST	O=10/125 PMDC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
1550= 1550nm			5= 5W	or >10W	T=12/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
1611= 1611nm			10=10W		G=25/300 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector