

## 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	≥18
	High ER Type	≥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
Operating Temperature	°C	0~70
Storage Temperature	°C	-40~85
Package Dimension	Stainless Steel Tube (SST)	∅5.5x38 (≤5W); ∅6.0x48 (5~8W)
	Metal Box	L90x <sup>W</sup> 12x <sup>H</sup> 10 (>8W); L120x <sup>W</sup> 12x <sup>H</sup> 10 (≤8W)

**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.

### ORDERING INFORMATION (PN)

FCSP-NNNN	- (C)	(C) -HPNN	-(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	0=10/125 PMDC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
1550-1550nm			5-5W	or >8W	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

