

## CWDM Single Channel PM 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 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. 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 <sup>L</sup> 35 (≤5W); ∅6.0x <sup>L</sup> 50 (5~10W)
	Metal Box	mm	H: <sup>L</sup> 90x <sup>W</sup> 12x <sup>H</sup> 10 (>10W); M: <sup>L</sup> 120x <sup>W</sup> 12x <sup>H</sup> 10 (≤10W)

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
  - To add connectors, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
  - Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
  - High ER type can only work in slow axis at pass port.
  - 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.
  - Package size may be different for different optical power and configurations.

### ORDERING INFORMATION (PN)

FCSP-NNNN	-	(C)	(C)	-H NN	P	NN	- (C)	C	C	NN	-CC/CCC
Center Wavelength		Configuration	Type	Average Power		Peak Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1471-1471nm		D-D Type	R-High ER	03-300mW		01-100W	M-Metal Box	2-PM1310/1550Fiber	B- Bare fiber	05-0.5m	N-Without Connector
1510-1510nm		Blank for Y Type	Blank for Standard	1-1W		1-1kW	Blank for SST	0-10/125 PMDC Fiber	L- Loose Tube	10-1.0m	FC/APC=FC/APC Connector
1550-1550nm				5-5W		10-10kW	or >10W	T-12/130 PMDC Fiber	2- 2mm Cable	15-1.5m	LC/PC=LC/PC Connector
1611-1611nm				10-10W		20-20kW		G-25/300 PMDC Fiber	3- 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector

