

CWDM Single Channel PM Device for Pulse Power

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	-
	Y Type	-
		2-port Bandpass Filter
		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
	High ER Type	dB
		≥18
		≥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
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
	Metal Box	mm
		φ5.5x38 (≤5W); φ6.0x48 (5~8W)
		L90xW12xH10 (>8W); L120xW12xH10 (≤8W)

- 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.

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 >8W	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

