

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	≥20
	High ER Type	≥22
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
Maximum Optical Power (CW)	mW	300
Operating Temperature	°C	0~70
Storage Temperature	°C	-40~85
Package Dimension	Stainless Steel Tube (SST)	∅5.5x35
	Metal Box	L120xW12xH10

- 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.
 - 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)	- (C)	C	C	NN	- CC/CCC
Center Wavelength	Configuration	Type	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1471-1471nm	D-D Type	R-High ER	M-Metal Box	2-PM1310/1550Fiber	B- Bare fiber	0.5-0.5m	N-Without Connector
1510-1510nm	Blank for Y Type	Blank for Standard	Blank for SST	0-10/125 PMDC Fiber	L- Loose Tube	10-1.0m	FC/APC=FC/APC Connector
1550-1550nm			or >8W	T-12/130 PMDC Fiber	2- 2mm Cable	15-1.5m	LC/PC=LC/PC Connector
1611-1611nm				G-25/300 PMDC Fiber	3- 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector

