

P_M Three-port Bare Channel Device

Features:

- Low Insertion Loss
- High Channel Isolation
- Epoxy-Free in Optical Path
- Telcordia Compliant

Applications:

- CWDM,DWDM Systems
- Add/Drop System
- Laboratory R&D
- Coherent Optical Communications



Specifications^{1,2}:

Parameter		Unit	CWDM ³	100G	200G
Central Wavelength (λ_c)		nm	1470,1490...1610	1529.55~ 1560.61	ITU Grid
Passband	Min.	nm	ITU+/-7.0	ITU+/-0.11	ITU+/-0.25
Isolation	Adjacent Add/Drop Channel	Min.	30	28	30
	Non-adjacent Add/Drop Channel	Min.	40	40	40
	Express Channel	Min.	12	12	12
Insertion Loss	Add/Drop Channel	Max.	0.75	1.00	0.80
	Express Channel	Max.	0.40	0.50	0.45
Extinction Ratio	Max.	dB	16	16	16
TDL	Max.	dB/°C	0.003	0.004	0.003
Directivity	Min.	dB	50	45	50
Return Loss	Min.	dB	45	45	45
Fiber Type			400 μ m Panda		
Fiber Length ⁴	Min.	m	1.0		
Power Handling	Max.	mW	500		
Operating Temperature		°C	0~70		
Storage Temperature		°C	- 40~85		
Package Dimension		mm	$(\phi)5.5 \times (L)32$ for 250 μ m fiber $(\phi)5.5 \times (L)39$ for 900 μ m fiber		

1. Specification described here is achieved under any status of polarization at operating temperature.

2. Values referenced without connectors.

3. Central wavelength like 1471, 1491 ... 1611 is available upon request.

4. Fiber length includes rubber boot, but connector is not included.

Dimension:

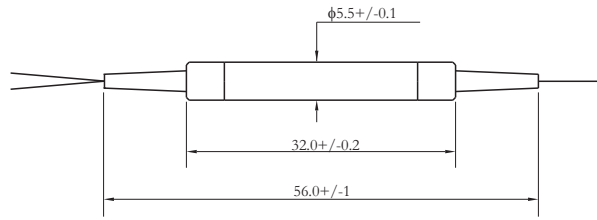


Figure 1. Package A for 250 μm fiber

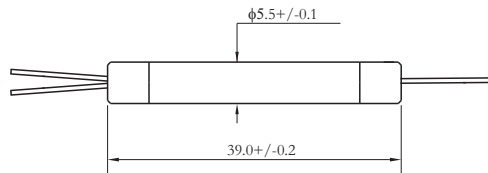


Figure 2. Package B for 900 μm fiber

Order Information:

XXXX - XXX - X - XXXX - XXXX - XX
 A B C D E F

A	Type	CWDM	CWDM
		KOAD	100G 200G
B	Channel Spacing	020=CWDM	
		100=100G	
		200=200G	
C	Grade	A=Grade "A"	
		S=Custom	
D	ITU Channel	CWDM	100G & 200G
		1470=λc 1470 nm	CH21=21st channel
		1610=λc 1610 nm	CH65=65th channel
E	Fiber Type	P400=400 μm bare fiber	
		P900=900 μm loose tube	
F	Connector	NN=W/O connector	
		XY=With connector ¹	

1. Please specify the type of connector as below when ordering.

Mechanical Type	SC	FC
X	1	2
Physical Contact Type	PC	UPC
Y	1	2