

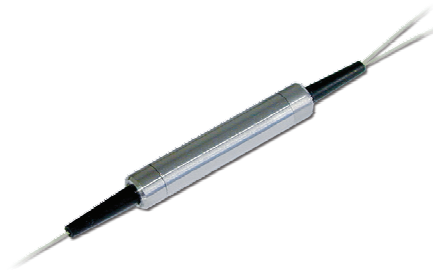
BWDM Three-port Bandpass Filter

Features:

- Specified Passband and Stopband for Multi-channel
- Low Insertion Loss
- High Channel Isolation
- Epoxy-Free in Optical Path
- Telcordia Compliant

Applications:

- Module Integration
- Add/Drop System
- Unidirectional/Bi-directional Network



Specifications^{1,2}:

Parameter		Unit	Grade "A"	
Working Wavelength	Min.	nm	C band or L band	
Function			4-S-1 for 100G	8-S-1 for 100G
Single Channel Passband	Max.	nm	+/-0.11	
Isolation	Adjacent Add/Drop Channel	Min.	18	25
	Express Channel	Min.	15	13
Insertion Loss	Add/Drop Channel	Max.	1.0	
	Express Channel	Max.	0.5	
Ripple in Passband	Max.	dB	0.35	
Directivity	Min.	dB	50	
Polarization Dependent Loss	Max.	dB	0.1	
Polarization Mode Dispersion	Max.	ps	0.1	
Return Loss	Min.	dB	45	
Fiber Type			Corning SMF-28	
Fiber Length	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 μm fiber	
			$(\phi)5.5 \times (L)39$ for 900 μm fiber	

1. All specifications include the effect of operating temperature and all states of polarization.
2. Values referenced without connectors.

Dimension:

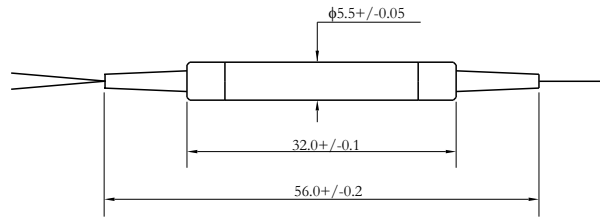


Figure 1. Package A for 250 μm fiber with SST

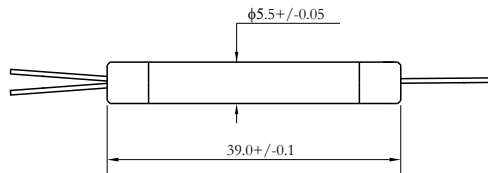


Figure 2. Package B for 900 μm fiber with SST

Order Information:

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

A	Grade	A=Grade "A" S=Custom
B	Channel Spacing	100= 100G Hz 200= 200G Hz
C	Initial Pass Channel	CH21=21st channel ⋮ CH65=65th channel
D	Passband Channel	04= 4 channel 08=8 channel
E	Skipped Channel	1= 1 channel
F	Fiber Type	250S=250 μm bare fiber 900L=900 μm loose tube 900T=900 μm tight buffer fiber
G	Connector	NN=W/O connector XY=With connector ¹

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

Mechanical Type	SC	FC	ST	MU	LC
X	1	2	3	4	5
Physical Contact Type	PC	UPC	APC		
Y	1	2	3		