

Product Information

FILTER WAVELENGTH DIVISION MULTIPLEXERS (FWDM)



Features

- Low PDL
- Low Insertion Loss
- Excellent Uniformity
- High Directivity
- Highly Stable and Reliable

Applications

- Telecommunications
- Local Area Network (LAN)
- Passive Optical Network (PON)
- Cable TV
- Fiber sensors

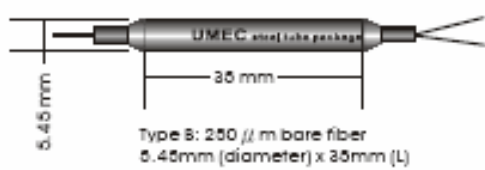
Product Performance Characteristics					
Parameters	980R/1550T	1480R/1550T	1310R/1550T	1550R/1310T	1310&1490R/ 1550T
Pass Band (nm)	1530~1610	1530~1610	1420~1620	1280~1340	1550 ±5
Reflexion Band (nm)	965~995	1460~1490	1280~1340	1420~1620	1310 ±50, 1490 ±10
Max. Pass Band Insertion Loss(dB)	1.0	0.7	0.8	0.8	0.8
Max. Ripple in Passband(dB)	0.3	0.3	0.5	0.5	0.5
Max Reflection Band Loss(dB)	0.6	0.4	0.6	0.6	P:1.0, A:0.6
Min. Isolation in Passband(dB)	30	30	45	45	30
Min. Isolation in Reflection Band(dB)	15	15	15	P grade : 25 A grade : 15	P grade : 25 A grade : 15
Max. PDL (dB)	0.15				
Min. Return Loss (dB)	45				
Min. Directivity (dB)	50				
Power Handling (Max.)	300mW				
Operation Temperature	- 5°C ~ 65°C				

Special dimension upon request

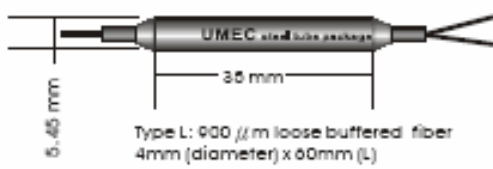
Mechanical Outline			
Package type	Housing type	Dimension	Pigtail style
Type B	Steel tube	5.45mm(Ø) x 35mm (L)	250µm bare fiber
Type L	Steel tube	5.45mm(Ø) x 35mm (L)	900µm loose buffered fiber
Type G	LGX compatible module	See below	Output port is adapter

The dimension of type G package will depend on output port number, below LGX compatible housing is just for reference.

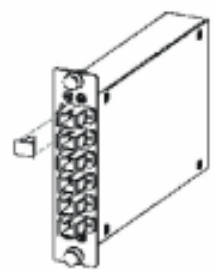
We also provide LGX compatible chassis, please see our chassis specification.



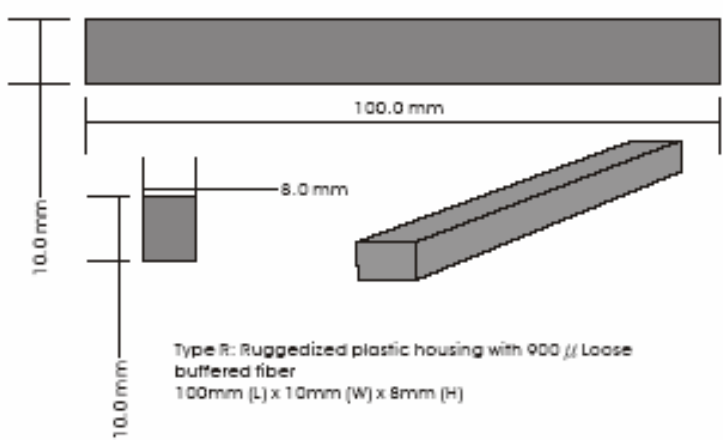
Type B: 250 μ m bare fiber
5.45mm (diameter) x 35mm (L)



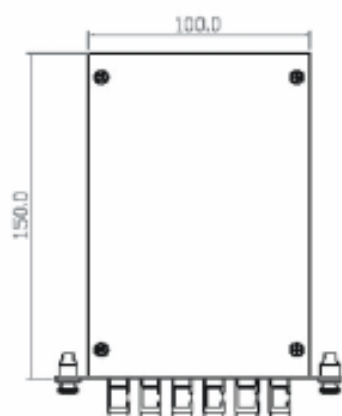
Type L: 900 μ m loose buffered fiber
4mm (diameter) x 50mm (L)



Type G: LGX compatible
Housing with adapter output

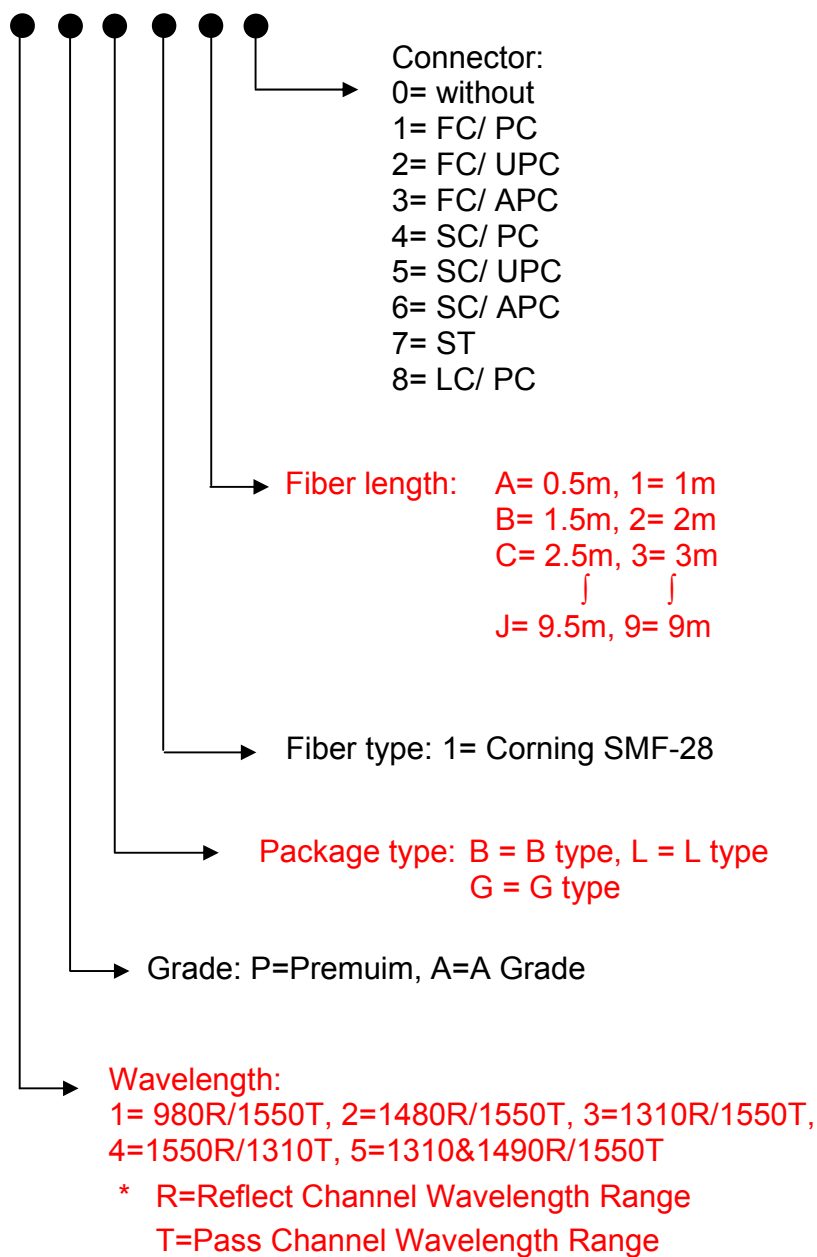


Type R: Ruggedized plastic housing with 900 μ Loose buffered fiber
100mm (L) x 10mm (W) x 8mm (H)



Ordering information

FWDM-X-X-X-X-X-X-X-X-UM



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