



Multimode Filter WDM

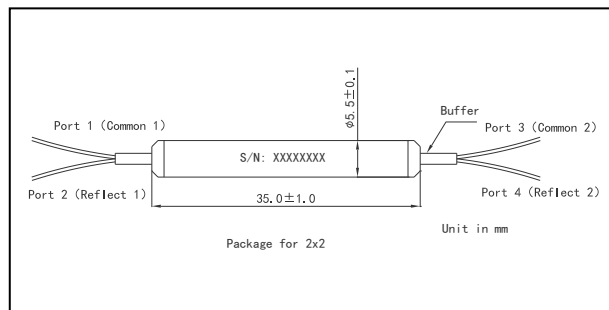
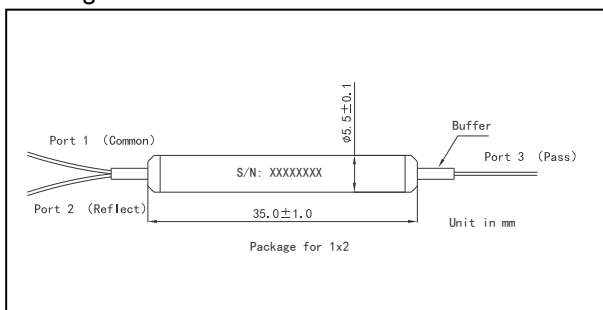
I&Optics' multimode filter WDM can divide two different wavelngths into two output ports or multiplex two different wavelengths into one same output port with very low loss. It features low insertion loss, high wavelength isolation and flat band property. It can be used in lasers, telecom, sensors, instruments, testing systems and R&D.

Specification

Parameter	Test Condition	Unit	Value	
Port Configuration	-	-	1x2	2x2
Pass Band Wavelength(PW)	Port 1 to Port 3	nm	850+/-30 or 1310+/-50	
Reflect Band Wavelength(RW)	Port 1 to Port 2, Port 3 to Port 4	nm	1310+/-50 or 850+/-30	
Max. Pass Band IL	Port 1 to Port 3	dB	0.6, Typ. 0.45	0.8, Typ. 0.65
Max. Reflect Band IL	Port 1 to Port 2, Port 3 to Port 4	dB	0.6, Typ. 0.45	0.6, Typ. 0.45
Min. Pass Isolation	Port 1 to Port 3, RW	dB	25, Typ. 30	40, Typ. 45
Min. Reflect Isolation	Port 1 to 2, Port 3 to 4, PW	dB	13, Typ. 15	
Max. Thermal Stabliilty	-	dB/°C	0.003	
Min. Directivity	Port 3 to Port 2 (1x2) and Port 2 to Port 3/4 (2x2)	dB	35	
Min. Return Loss	-	dB	30	
Max. Power Handling Rate	Continuous Wave, Total Power	mW	500 or Specify	
Fiber Type	-	-	GI MMF 50/125, NA 0.22 or 62.5/125, NA 0.27 or Specify	
Max. Fiber Tensile Load	-	N	5	
Operating Temperature	-	°C	-5 to 70	
Storage Temperature	-	°C	-40 to 85	

Above values are for device without connectors. For device with connectors, IL will be 0.2dB higher and return loss will 20dB lower.

Package Dimensions



Ordering Informations

MMFWDM-①-②-③-④-⑤-⑥

① - Pass / Reflect Wavelength

8531 - 850nm Pass/1310nm Reflect

3185 - 1310nm Pass/850nm Reflect

SSSS - Specify

② - Port Configuration

1 - 1x2

2 - 2x2

③ - Fiber Type

1 - GI MMF 50/125, NA 0.22

2 - GI MMF 62.5/125, NA 0.27

④ - Connector Type on port 1/2/3/4

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

⑤ - Fiber Jacket on Port 1/2/3/4

B - Bare Fiber

L - 900um Loose Tube

⑥ - Fiber Length

0.8 - 0.8m