

1056/1020-1120nm WDM Filter for Pulse Power

FEATURES

- High Isolation
- Low Insertion Loss
- Epoxy-Free Optical Path
- High Reliability and Stability
- Low Profile Packaging

APPLICATIONS

- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Metro Networks
- CATV Networks

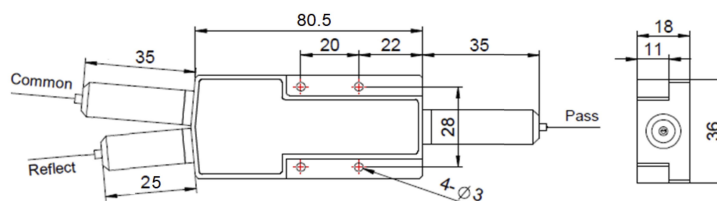


SPECIFICATIONS

Parameters	Unit	Standard	High Isolation
Pass Channel Wavelength Range λ_1	nm	1056 \pm 2	
Reflective Channel Wavelength Range λ_2	nm	1020 \pm 10, 1030 \pm 10, 1040 \pm 5, 1064 \pm 2	
		1070 \pm 10, 1080 \pm 10, 1092 \pm 10, 1120 \pm 10, 1150 \pm 10	
Insertion Loss	Pass Channel@ λ_1	dB	\leq 1.0
	Reflective Channel@ λ_2	dB	\leq 0.8
Configuration	Y Type	-	3-port
	X Type	-	4-port (2x2 WDM)
Isolation	Pass Channel@ λ_2	dB	\geq 25
	Reflective Channel@ λ_1	dB	\geq 45
Optical Return Loss	dB	\geq 45	
Directivity	dB	\geq 50	
Polarization Dependent Loss	dB	\leq 0.2	
Fiber Type	-	HI1060 Fiber or 10/125um SC Fiber (E)	
		10/125um DC Fiber (O), 15/130um DC Fiber (W)	
		20/130um DC Fiber (Q) or 25/250um DC Fiber (R)	
Fiber Tensile Load	N	5	
Max. Average Optical Power	W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20, 30, 40, 50, 60	
Max. Peak Power for pulse	kW	0.1, 1, 2, 3, 5, 10, 15, 20	
Operating Temperature	$^{\circ}$ C	0~50	
Storage Temperature	$^{\circ}$ C	-40~85	
Package	Stainless Steel Tube (SST)	mm	\varnothing 5.5x ^L 35 (\leq 5W); \varnothing 6.0x ^L 50 (5~10W)
Dimension	Metal Box	mm	^L 120x ^W 12x ^H 10 (\leq 10W)

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.5dB higher, RL is 5dB lower.
 - Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
 - 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.

PACKAGE DIMENSION (>10W)



ORDERING INFORMATION (PN)

FFWM-	NN	NN	-(C)	(C)	-H NN	P NN	-(C)	(C)	C	NN	-CC/CCC
Ref Wavelength	Pass Wavelength	Configuration	Isolation	Average Power	Peak Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type	
03=1030nm	56=1056nm	X-X Type	I= High Iso	03=300mW	01=100W	M= Metal Box	E=10/125 SC Fiber	B= Bare Fiber	05=0.5m	N= Without Connector	
06=1064nm		Blank for Y Type	Blank for	1= 1W	1= 1kW	Blank for SST	Q=20/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector	
09=1092nm			Standard	10=10W	10=10kW	or >10W	R=25/250 DC Fiber	2=2mm Cable	15=1.5m	LC/PC=LC/PC Connector	
12=1120nm				20=20W	20=20kW		Blank for HI1060 Fiber	3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector	