

# 1036nm Bandpass 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	Value	
Center Wavelength	nm	1036	
Min. Pass Band Width @ 0.5dB	nm	12	30
Insertion Loss over Pass Band Wavelength	dB	≤1.2	
Stop Band @ 25dB	nm	960~1021&1051~1120	960~1011&1061~1120
Configuration	D Type	-	2-port
	Y Type	-	3-port, (one-direction Blocked Wavelength Guide Out)
	X Type	-	4-port, (bi-direction Blocked Wavelength Guide Out)
Fiber Type at 3 <sup>rd</sup> or 4 <sup>th</sup> Port (for Y&X Type)	-	Same Fiber of other ports or 50/125um MM Fiber	
Optical Return Loss	dB	≥50	
Polarization Dependent Loss	dB	≤0.1	
Fiber Type	-	1060 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	
Max. Peak Power for pulse	kW	0.1, 1, 2, 3, 5, 10, 15, 20	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	(Ø)5.5x35 (≤5W); (Ø)6.0x48 (5~10W)
	Metal Box	mm	(L)90x(W)18x(H)10 (>10W); (L)120x(W)12x(H)10 (≤10W)

- Note:**
1. Specifications are for device without connectors; Specifications may change without notice.
  2. To add connectors, IL is 0.5dB higher, RL is 5dB lower.
  3. Suggest to use Y or X type if blocked optical power is >1W.
  4. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
  5. 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.

## ORDERING INFORMATION (PN)

<b>FFBP-NNNN</b>	<b>- NNN</b>	<b>(C)</b>	<b>(C)</b>	<b>-H NN</b>	<b>P NN</b>	<b>-(C)</b>	<b>(C)</b>	<b>C</b>	<b>NN</b>	<b>-CC/CCC</b>
<i>Center Wavelength</i>	<i>Bandwidth</i>	<i>3rd Port Fiber</i>	<i>4th Port Fiber</i>	<i>Average Power</i>	<i>Peak Power</i>	<i>Package</i>	<i>Fiber Type</i>	<i>Fiber Sleeve</i>	<i>Fiber Length</i>	<i>Connector Type</i>
1036=1036nm	120=12nm	Y=Same Fiber	Y=Same Fiber	03=300mW	01=100W	M=Metal Box	E=10/125 SC Fiber	B= Bare fiber	05=0.5m	N=Without Connector
	300=30nm	5=50/125um Fiber	5=50/125um Fiber	1= 1W	1= 1kW	Blank for SST	Q=20/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
		Blank for D Type	Blank for D&Y Type	5= 5W	5= 5kW	or >10W	R=25/250 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
				10=10W	10=10kW		Blank for HI1060 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector