

1030nm Filter Coupler for Pulse Power

FEATURES

- Low Excess Loss
- Various Splitting Ratio
- Wide Passband
- High Stability and Reliability
- Epoxy Free Optical Path

APPLICATIONS

- Optical Amplifier
- Optical Networks
- Power Monitoring
- Fiber Sensor
- Lab



SPECIFICATIONS

Parameter		Unit	1x2 Type				2x2 Type		
Center Wavelength		nm	1030						
Bandwidth		nm	+/-20nm or customer specify						
Split Ratio		-	0.1:99.9	1:99	2:98	5:95	10:90	40:60	50:50
Tap Ratio		-	0.1%	1+/-0.5%	2+/-0.6%	5+/-1.0%	10%	40%	50%
Excess Loss	Max.	dB	1.2				1.4		
Uniformity	Max.	dB	0.8				1.0		
PDL		dB	≤0.15						
Optical Return Loss		dB	≥50						
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, 20						
Max. Peak Power for pulse		kW	0.1, 1, 2, 3, 5, 10, 20						
Operating Temperature		°C	0~50						
Storage Temperature		°C	-40~85						
Package	Stainless Steel Tube (SST)	mm	(Ø)5.5x35 (≤5W); (Ø)6.0x48 (5~10W)						
Dimension	Metal Box	mm	(L)90x(W)12x(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. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.

4. 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)

FFFC-NNNN - NN	N	(C)	- H	NN	P NN	-(C)	(C)	C	NN	- CC/CCC
Wavelength Split Ratio	Type	Tap Port	Fiber	Average Power	Peak Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1030=1030nm 01=1/99	1=1x2	5=50/125um Fiber	03=300mW	01=100W	M=Metal Box	E=10/125 SC Fiber	B=Bare fiber	05=0.5m	N=Without Connector	
05=5/95	2=2x2	Blank for same Fiber	1= 1W	1= 1kW	Blank for SST	Q=20/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector	
10=10/90			5= 5W	5= 5kW	or >10W	R=25/250 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector	
50=50/50			10=10W	10=10kW		Blank for HI1060 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector	