

## 1064nm 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	1064						
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	1.0			1.4			
Uniformity Max.	dB	0.6			0.8			
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, 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	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)

<b>FFFC-</b>	<b>NNNN</b>	<b>- NN</b>	<b>N</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>Wavelength</i>	<i>Split Ratio</i>	<i>Type</i>	<i>Tap 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>	
1064-1064nm	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	