

1620~1790nm 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	Value					
Center Wavelength	nm	1625, 1650, 1700, 1730, 1750, 1790					
Bandwidth	nm	+/-20					
Split Ratio	-	1:99	2:98	5:95	10:90	40:60	50:50
Tap Ratio	-	1±0.5%	2±0.6%	5±1.2%	10%	40%	50%
Excess Loss	1x2	dB	≤1.2				
	2x2	dB	≤1.4				
Uniformity	Max.	dB	1.0				
PDL		dB	≤0.2				
Optical Return Loss		dB	≥50				
	Tap Port	-	Same Fiber or 50/125um MM Fiber				
Fiber Type		-	SMF-28 Fiber or 10/130um DC Fiber (O)				
	Thru Port	-	12/130um DC Fiber (T) or 20/130um DC Fiber (Q) 25/250um DC Fiber (R) or 25/300um DC Fiber (G)				
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	∅5.5x ^L 35 (≤5W); ∅6.0x ^L 50 (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 0.3dB 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.

5. Package size may be different for different optical power fiber type and configurations.

ORDERING INFORMATION (PN)

FFFC-NNNN	-NN	N	(C)	-H	NN	PNN	-(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		
1625-1625nm	01-1/99	1-1x2	5-50/125um Fiber	03-300mW	01-100W	M-Metal Box	O-10/130 DC Fiber	B- Bare fiber	05-0.5m	N-Without Connector		
1700-1700nm	05-5/95	2-2x2	Blank for Same Fiber	1- 1W	1- 1kW	Blank for SST	T-12/130 DC Fiber	L- Loose Tube	10-1.0m	FC/APC=FC/APC Connector		
1730-1730nm	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		
1790-1790nm	50-50/50			10-10W	10-10kW		Blank for SMF-28 Fiber	3- 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector		