

1950nm 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	1900, 1950						
Bandwidth	nm	+/-30						
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+/-1.2%	10%	40%	50%
Excess Loss	1x2	dB	≤1.7					
	2x2	dB	≤1.9					
Uniformity	Max.	dB	1.0					
PDL		dB	≤0.2					
Optical Return Loss		dB	≥50					
Fiber Type	Tap Port	-	Same Fiber or 50/125um MM Fiber					
	Thru Port	-	SMF-28 Fiber or SM1950 Fiber (V) 10/130um DC Fiber (O) 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						
Max. Peak Power for Pulse	kW	0.1, 1, 2, 3, 5, 10						
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 0.3dB 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.

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
1950-1950nm	01-1/99	1-1x2	5-50/125um Fiber	03-300mW	01-100W	M-Metal Box	V-SM1950 Fiber	B- Bare fiber	05-0.5m	N-Without Connector	
1900-1900nm	05-5/95	2-2x2	Blank for Same Fiber	1- 1W	1- 1kW	Blank for SST	0-10/130 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 SMF-28 Fiber	3- 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector	