750~850nm Filter Coupler for Pulse

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	750, 780, 793, 808, 830, 850					
Bandwidth		nm	+/-15nm or customer specify					
Split Ratio		-	1:99	2:98	5:95	10:90	40:60	50:50
Tap Ratio		-	1±0.5%	2±0.6%	5±1.0%	10%	40%	50%
Excess Loss	Max.	dB	1.4			1.6		
Uniformity	Max.	dB	1.0			1.4		
PDL		dB	≤0.15					
Optical Return Loss		dB	≥50					
Fiber Type	Tap Port	-	Same Fiber or 50/125um MM Fiber					
	Thru Port	-	HI780 Fiber or 780HP Fiber					
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	Ø5.5xL35					
	Metal Box	mm	L120xW12xH10					

Note: 1. Specifications are for device without connectors; Specifications may change without notice.

2. To add connectors, IL is 0.7dB 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 - NNN - 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
780=780nm	01=1/99	1=1x2	5=50/125um Fiber	03=300mW	01=100W	M=Metal Box	7= 780HP Fiber	B= Bare fiber	05=0.5m	N=Without Connector
793=793nm	05=5/95	2=2x2	*Blank* for Same Fiber	1= 1W	1= 1kW	*Blank* for SST	*Blank* for HI780 Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
808=808nm	10=10/90			5= 5W	5= 5kW			2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
850=850nm	50=50/50			10=10W	10=10kW			3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector