

750~850nm High Power Filter Coupler

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. Optical Power (CW)	W	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			
Dimension	Metal Box	mm		^L 120x ^W 12x ^H 10			

- 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)	-HP	NN	-(C)	(C)	C	NN	-CC/CCC
Wavelength	Split Ratio	Type	Tap Port Fiber	Optical Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type			
780-780nm	01-1/99	1-1x2 Type	5-50/125um Fiber	1-1W	M-Metal Box	7-780HP Fiber	B- Bare fiber	05-0.5m	N-Without Connector			
793-793nm	05-5/95	2-2x2 Type	Blank for Same Fiber	2-2W	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			2- 2mm Cable	15-1.5m	LC/PC=LC/PC Connector			
850-850nm	50-50/50			10-10W			3- 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector			