

750~850nm Optical 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		
Uniformity	Max.	dB			1.0		
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)	mW	300					
Operating Temperature	°C	0~50					
Storage Temperature	°C	-40~85					
Package	Stainless Steel Tube (SST)	mm	∅5.5xL35				
Dimension	Metal Box	mm	L120x ^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. 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	-	NNN	-	NN	N	(C)	-	(C)	(C)	C	NN	-	CC/CCC
<i>Wavelength</i>		<i>Split Ratio</i>		<i>Type</i>	<i>Tap Port Fiber</i>	<i>Package</i>		<i>Fiber Type</i>	<i>Fiber Sleeve</i>	<i>Fiber Length</i>		<i>Connector Type</i>	
780~780nm		01=1/99		1=1x2 Type	5=50/125um Fiber	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	Blank for SST		Blank for HI780 Fiber	L= Loose Tube	10=1.0m		FC/APC=FC/APC Connector	
808~808nm		10=10/90							2= 2mm Cable	15=1.5m		LC/PC=LC/PC Connector	
850~850nm		50=50/50							3= 3mm Cable	20=2.0m		SC/UPC=SC/UPC Connector	