

1092~1160nm 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	1092, 1103, 1120, 1150					
Bandwidth		nm	+/-20nm 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		-	Same Fiber or 50/125um MM Fiber					
		-	HI1060 Fiber or 10/125um SC Fiber (E) 10/125um DC Fiber (O), 15/130um DC Fiber (W) 20/130um DC Fiber (Q) or 25/250um DC Fiber (R)					
Tap Port		-						
Thru Port		-						
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	∅5.5x ^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 0.5dB 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 - NNNN - 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>
1092~1092nm	01=1/99	1=1x2 Type	5=50/125um Fiber	M=Metal Box	E=10/125 SC Fiber	B= Bare fiber	05=0.5m	N=Without Connector
1103~1103nm	05=5/95	2=2x2 Type	Blank for Same Fiber	Blank for SST	Q=20/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
1120~1120nm	10=10/90				R=25/250 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
1150~1150nm	50=50/50				Blank for HI1060 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector