

## 975~1000nm 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	975, 980, 990, 1000					
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			1.2		
Uniformity	Max.	dB			0.8		
PDL	dB	≤0.15					
Optical Return Loss	dB	≥50					
Fiber Type	Tap Port	Same Fiber or 50/125um MM Fiber					
	Thru Port	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)					
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 <sup>L</sup> 35				
Dimension	Metal Box	mm	<sup>L</sup> 120x <sup>W</sup> 12x <sup>H</sup> 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)

<b>FFFC</b>	-	<b>NNNN</b>	-	<b>NN</b>	-	<b>N</b>	-	<b>(C)</b>	-	<b>(C)</b>	-	<b>(C)</b>	-	<b>C</b>	-	<b>NN</b>	-	<b>CC/CCC</b>
<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>		
975~975nm		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		
980~980nm		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		
990~990nm		10=10/90								R=25/250 DC Fiber		2= 2mm Cable		15=1.5m		LC/PC=LC/PC Connector		
1000~1000nm		50=50/50								Blank for HI1060 Fiber		3= 3mm Cable		20=2.0m		SC/UPC=SC/UPC Connector		