

2050nm 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	Value						
Center Wavelength	nm	2050						
Bandwidth	nm	±20						
Split Ratio	-	0.1:99.9	1:99	2:98	5:95	10:90	40:60	50:50
Tap Ratio	-	0.1%	1±0.5%	2±0.6%	5±1.2%	10%	40%	50%
Excess Loss	1x2	dB	≤1.2					
	2x2	dB	≤1.4					
Uniformity	Max.	dB	1.0					
PDL		dB	≤0.2					
Optical Return Loss		dB	≥50					
Fiber Type	Tap Port	-	Same Fiber or 50/125um MM Fiber					
	Thru Port	-	SMF-28 Fiber or SM1950 Fiber (V) 10/130um DC Fiber (O) 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	(Ø)5.5x35					
Dimension	Metal Box	mm	(L)120x(W)12x(H)10					

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.3dB higher, RL is 5dB lower.
 - 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
Wavelength	Split Ratio	Type	Tap Port Fiber	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
2050-2050nm	01=1/99	1=1x2	5=50/125um Fiber	M=Metal Box	V=SM1950 Fiber	B= Bare fiber	05=0.5m	N=Without Connector
	05=5/95	2=2x2	Blank for Same Fiber	Blank for SST	O=10/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
	10=10/90				R=25/250 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
	50=50/50				Blank for SMF-28 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector