

980~1120nm High Power Fused Coupler/Splitter

FEATURES

- Low Excess Loss
- Variety Coupling Ratio
- Epoxy-Free Optical Path
- High Reliability and Stability
- Low Profile Packaging

APPLICATIONS

- LAN WAN Systems
- Signal Monitoring
- Network Monitoring
- CATV
- Test Equipments



SPECIFICATIONS

Parameter	Unit	Value						
Center Wavelength	nm	980, 1030, 1040, 1053, 1064, 1080, 1092, 1120						
Bandwidth	nm	+/-10						
Excess Loss	dB	≤0.60						
Split Ratio	%	1:99	2:98	5:95	10:90	40:60	50:50	
		1+/-0.5%	2+/-0.6%	5+/-1.0%	10%	40%	50%	
Uniformity (50:50 Ratio)	dB	≤0.6						
Directivity	dB	≥45						
Fiber Type	-	HI1060, HI1060 Flex or 10/125um SC Fiber						
Fiber Tensile Load	N	5						
Maximum Optical Power (CW)	W	1, 2, 3, 5, 10, 15, 20, 25, 30						
Operating Temperature	°C	0~50						
Storage Temperature	°C	-40~85						
Package Dimension	Stainless Steel Tube (SST) Metal Box	mm	(Φ)3.0x60 for Bare Fiber					
			(Φ)3.0x76 for 900um Loose Tube					
			(L)120x(W)12x(H)10 for 2mm/3mm Cable					

- 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. 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.

ORDERING INFORMATION (PN)

FCLS	- NNNN	- NN	N	C	-HP NN	- C	C	NN	- CC/CCC
Center Wavelength	Coupling Ratio	Configuration	Package	Optical Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type	
1064=1064nm	01= 1% Ratio	1= 1x2 Type	S=SST Tube	1= 1W	H= HI1060	B= Bare Fiber	05=0.5m	N=Without Connector	
1053=1053nm	05= 5% Ratio	2= 2x2 Type	M=Metal Box	5= 5W	F= HI1060 Flex	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector	
1030=1030nm	10= 10% Ratio			10=10W	E= 10/125 SC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector	
980=980nm	50= 50% Ratio			20= 20W		3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector	