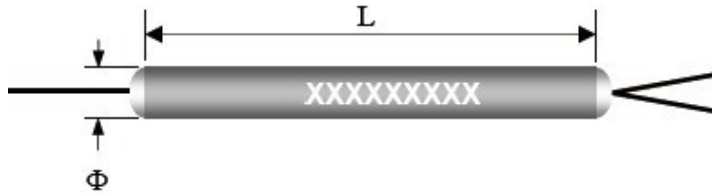




High Power Fused Coupler



Features

- ◆ Low excess loss
- ◆ low IL & low PDL
- ◆ High Power Handling
- ◆ High Stability and Reliability

Applications

- ◆ Fiber Laser
- ◆ Fiber Sensors
- ◆ Research

Performance Specifications

Parameter		Values
Operating Wavelength(nm)		1064,1550
Wavelength Range(nm)		±15
Excess Lose(dB)		≤0.06
Extinction Ratio(dB)(for PM type)		>18dB
Insertion Loss(dB)	50/50	≤3.4
	20/80	≤7.6/1.4
	10/90	≤11.2/0.85
	5/95	≤14.2/0.6
	1/99	≤21.5/0.3
Directivity(dB)		≥55
Optical Power (CW) (W)		10,20
Fiber Type		SMF-28e or HI1060FLEX or PM Fiber
Configuration		1x2 or 2x2
Operating Temperature(°C)		-5 to +70
Storage Temperature(°C)		-40 to +85
Dimensions(mm)	1~10W	3.0X54
	>10W	70X12X8

*At 23° C over bandwidth.

** Does not include connector, splice and fiber-end fresher losses.

*** IL is 0.3 dB higher, RL is 5 dB lower for each connector added. Optical Power will be 1W only with connector added.

****If tap port coupling ratio is ≤ 5%, ER will be 2dB lower; for ≤1% tap port, ER is out of concern(PM type).

Order information

HPC-①①①-②②-③-④-⑤⑤-⑥⑥-⑦⑦-⑧⑧-⑨⑨

①①①	②②	③③	④	⑤⑤	⑥	⑦⑦	⑧⑧
Port	Operating Wavelength	Power	Package	Coupling Ratio	Fiber Type	Fiber Diameter	Fiber Length
102:1x2 202:2x2	64:1064nm 55:1550nm XX:Others	02:2W 05:5W 10:10W 20:20W	1:3.0x54 2:70x12x8	50:50/50 40:40/60 30:30/70 20:20/80 10:10/90 05:5/95 03:3/97 02:2/98 01:1/99 XX: Others	0:SMF-28 1: HI1060 Flef 2: PM fiber X:Others	25:250um 90:900um XX: Others	08:0.8m 10:1.0m XX:Others