

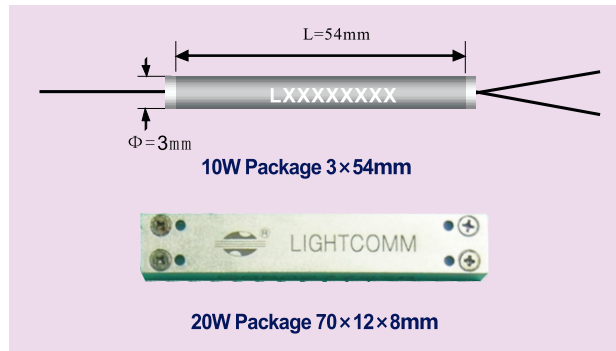
High Power Single Mode Coupler

▶▶ Description

LightComm builds high power coupler with different fibers at various wavelength. With high power combiner experience advantage, we can build high power coupler with good heat dissipation and telecom comparable performance and reliability.

▶▶ Features

- High power handling up to 20W
- 1×2 or 2×2 type
- Parameter refer to telecom coupler
- CW and Pulse available



▶▶ Specifications

Parameter	Type	1550nm band coupler(SMF-28e fiber)		1060nm band coupler(HI1060 fiber)
		P	A	A
Grade		P	A	A
Typical excess loss (dB)		0.07	0.1	0.1
Insertion loss (dB)	50/50	≤3.4	≤3.6	≤3.6
	40/60	≤4.4/2.6	≤4.7/2.8	≤4.7/2.8
	30/70	≤5.7/1.9	≤6.0/2.0	≤6.0/2.0
	20/80	≤7.6/1.25	≤8.0/1.3	≤8.0/1.3
	10/90	≤11.0/0.65	≤11.5/0.8	≤11.5/0.8
	5/95	≤14.2/0.4	≤14.8/0.5	≤14.8/0.5
	3/97	≤16.7/0.3	≤17.2/0.4	≤17.2/0.4
	2/98	≤18.5/0.25	≤19.0/0.35	≤19.0/0.35
	1/99	≤21.5/0.2	≤22.0/0.3	≤22.0/0.3
PDL(dB)		≤0.1	≤0.15	≤0.15
Directivity(dB)		≥55		
Operating temperature(°C)		-40~+85		

▶▶ Specifications

Configuration	1×2 or 2×2		
Fiber lead length	1 meter, others on request		
Fiber type	250µm bare fiber	900µm loose tube	250µm/900µm loose tube
Dimensions (Φ×L)(mm)	Φ3.0×54	Φ3.0×54	70×12×8

▶▶ Product Ordering Information:

HPXXX-X-XXX-XXX-XX/XX-X-X-XX/XXX-XX*XX

- Package: 3.0×54, 70×12×8 etc.
- Connector: FC/UPC, FC/APC etc.
- Fiber Type: 0=SMF-28e, 1=HI1060flex, 4=others
- Pigtail Type: 0=250µm, 1=900µm, 2=2mm, 3=3mm, 4=others
- Coupling Ratio: 1/99, 50/50 etc.
- Operating Wavelength: 131=1310nm, 1315=1310&1550nm, 131415=1310&1490&1550nm etc.
- Port Number: 1×2 or 2×2
- Grade: P=Perfect, A= Grade A, X=on customer request
- SSC,WBC, DWC etc.