

1310-1550nm Single Mode Broadband Taper Coupler(±40nm)

Features

Wide bandwidth
High stability
High reliability

Application

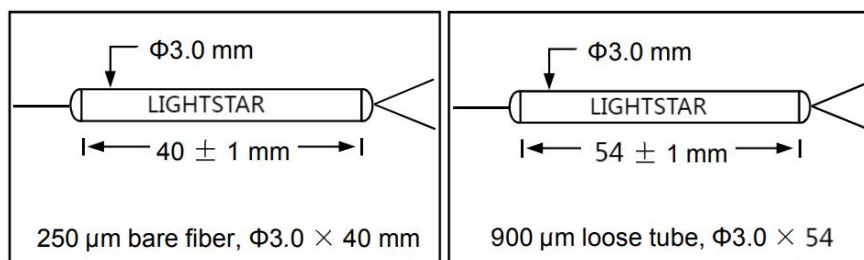
Access network
Optical fiber amplifier
Cable TV network

Specifications

Parameter	Unit	Value									
Central wavelength	nm	1550 or 1310									
Bandwidth	nm	±40									
Splitting ratio	%	1/99	2/98	3/97	5/95	10/90	20/80	30/70	40/60	50/50	
Maximum insertion loss (Tap/Through Port)	dB	21.5/0.2	18.5/0.25	16.5/0.3	14.6/0.4	10.8/0.65	7.5/1.3	5.6/1.9	4.4/2.6	3.4	
Polarization dependent loss (Tap/Through Port)	dB	0.10/0.05	0.10/0.05	0.10/0.05	0.10/0.05	0.10/0.05	0.10/0.08	0.10/0.08	0.10/0.08	0.08/0.08	
Minimum return loss	dB	50									
Directivity	dB	50									
Power(CW)	mW	500									
Maximum tensile load	N	5									
Stability	dB/°C	≤ 0.002 over -5 °C to +70 °C									
Operating temperature	°C	-5 to + 70									
Storage temperature	°C	-40 to + 85									
Fiber type	-	SMF-28e Fiber									
Package dimensions	mm	250um Bare Fiber Ø3.0X40									
		900um Loose Tube Ø3.0X54									
		3mm Loose Cable 90X20X9									

When using the Connector, the processing power is only 1W, the Insertion loss is 0.3dB higher, the return loss is 5dB lower, and the extinction ratio is 2dB lower. The Connector key is aligned with the slow axis.

Package dimensions



Ordering information

SBC-①①①①-②-③③-④-⑤-⑥

①①①①:Wavelength
1310=1310nm
1550=1550nm
SSSS=Specify

④:Length
H=0.5m
1= 1.0m
S=Specify

②:Port type
1=1*2
2=2*2

⑤:Connector
0=None
1=FC/UPC
2=FC/APC
S=Specify

③③:Splitting ratio
05=5/95
50=50/50
SS=Specify

⑥:Pigtail type
1=250um bare fiber
2=900um loose tube
S=Specify