

Single Mode Broadband Fiber Coupler



Product Introduction

Single mode broadband fiber couplers are designed for splitting light with minimal loss from one into two fibers or to combine light from two fibers into one fiber. Accelink offers both single-window and dual-window broadband couplers. The products are Telcordia GR-1209-CORE qualified, and RoHS compliant.

Features

- Wide bandwidth
- Low excess

Applications

- Telecommunications
- CATV Networks
- Access network
- Optical amplifier

Standards

- Telcordia GR-1209-CORE
- Telcordia GR-1221-CORE

Specifications

Parameter	Unit	Value		
		C or L	1310±40	1310±40&1550±40
Wavelength	nm	C or L	1310±40	1310±40&1550±40
Splitter Ratio		1/99~50/50		
Fiber Type		SMF-28e+		
Return Loss	dB	>50		
Directivity	dB	>55		
PDL	dB	<0.1		
Operation Temperature	°C	-10~+70		
Storage Temperature	°C	-40~+85		

	C or L		1310±40		1310±40&1550±40	
	Max IL (Tap)	Max IL (Signal)	Max IL (Tap)	Max IL (Signal)	Max IL (Tap)	Max IL (Signal)
Splitter Ratio						
1/99	20.8	0.25	20.8	0.25	21.0	0.25
2/98	17.8	0.30	17.8	0.30	17.9	0.30
3/97	16.0	0.35	16.0	0.35	16.0	0.35
5/95	13.8	0.45	13.8	0.45	14.0	0.45
10/90	10.8	0.7	10.8	0.7	10.9	0.7
15/85	8.9	1.0	8.9	1.0	9.0	1.1
20/80	7.7	1.3	7.7	1.3	7.7	1.3
25/75	6.7	1.6	6.7	1.6	6.7	1.7
30/70	5.8	1.9	5.8	1.9	5.8	2.0
33/67	5.4	2.1	5.4	2.1	5.4	2.1
35/65	5.2	2.3	5.2	2.3	5.2	2.3
40/60	4.6	2.7	4.6	2.7	4.6	2.7
45/55	4.0	3.1	4.0	3.1	4.0	3.1
50/50	3.5	3.5	3.5	3.5	3.5	3.5

Package and Installation Dimension

	A	B	D	F	E(Adapter)
Package (mm)	φ3×48	φ3×55mm	100×80×7.2	100×80×10	130×90×15
Installation (mm)	SST Tube	SST Tube	60×76.2×4φ3.0	94×74×4φ3.5	124×84×4φ3.5

	C	G	J	M
Package (mm)	90×16×9	130×90×14	133.5×96×18	150×110×19
Installation (mm)	49.9×9.3×2φ3.0	60×87×4φ3.0	128.5×90×4φ3.0	145×105×4φ3.5

	LGX		11	12
Package (mm)	129×158×28 (1U)	129×158×58 (2U)	482×230×44	482×202×88

Ordering Informatio

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