

Single Mode Single Window Compact Coupler

Features

Compact Size
 Low Excess Loss
 Low Polarization Dependent Loss
 Any Split Ratio

Applications

Mini Size Optical Module
 Fiber Communication Systems
 Mini Size EDFA
 Testing Instrument



Performance Specifications

Parameter		Maximum Insertion Loss		Maximum PDL		Unit
Central Wavelength		1310,1480,1550				nm
Bandwidth		±10	±40	±10	±40	nm
50:50	Premium	3.4/3.4	3.4/3.4	0.1/0.1	0.1/0.1	dB
	Grade A	3.6/3.6	3.7/3.7	0.1/0.13	0.13/0.13	dB
40:60	Premium	4.4/2.4	4.4/2.4	0.1/0.1	0.1/0.1	dB
	Grade A	4.6/2.6	4.6/2.8	0.1/0.13	0.13/0.12	dB
30:70	Premium	5.6/1.8	5.6/1.8	0.14/0.1	0.14/0.1	dB
	Grade A	5.8/2.0	6.0/2.0	0.14/0.12	0.14/0.1	dB
20:80	Premium	7.3/1.2	7.3/1.2	0.14/0.1	0.14/0.1	dB
	Grade A	7.5/1.3	8.0/1.4	0.14/0.1	0.15/0.1	dB
10:90	Premium	10.5/0.68	10.8/0.68	0.14/0.1	0.14/0.1	dB
	Grade A	10.8/0.8	12.0/0.8	0.14/0.1	0.16/0.1	dB
05:95	Premium	13.5/0.45	14.0/0.45	0.20/0.1	0.20/0.1	dB
	Grade A	13.8/0.48	15.0/0.5	0.20/0.1	0.20/0.1	dB
02:98	Premium	18.5/0.26	18.5/0.28	0.25/0.1	0.25/0.1	dB
	Grade A	20.0/0.31	20.0/0.31	0.25/0.1	0.25/0.1	dB
01:99	Premium	21.5/0.24	21.5/0.24	0.25/0.1	0.25/0.1	dB
	Grade A	22.0/0.3	22.0/0.3	0.25/0.1	0.25/0.1	dB
Directivity		≥ 55				dB
Operating Temperature		-10 to 70				°C
Storage Temperature		-40 to 85				°C
Fiber Type		SMF-28				
Max Power Handling		500				mW
Package Dimension	Bare Fiber	Φ 3.0 × 36				mm
	900 μm Loose tube	Φ 3.0 × 42				mm
	2mm,3mm Jacket	60 × 12 × 6.4 (A1 box)				mm

Mechanical Dimensions(mm)

