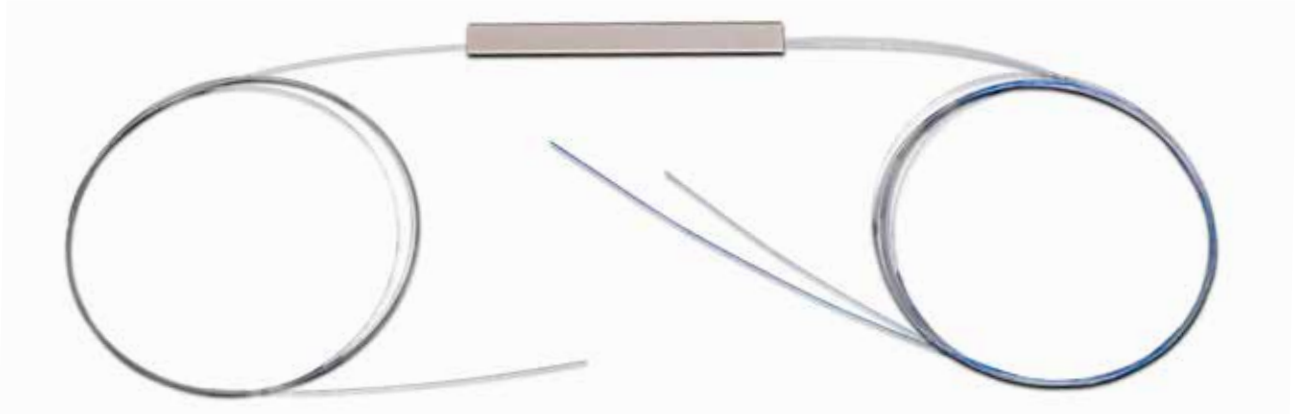


FUSED BICONIC COUPLERS

Single Mode Fiber Coupler 1x2



PARAMETERS	VALUES	UNIT
Type	1x2	
Coupling Ratio	50/50	
Insertion loss Max. ^{1,2}	See below Table	
Uniformity Max.	See below Table	
Return loss Min.	55	dB
Directivity Min.	55	dB
PDL Max.	See below Table	
WDL Max. ³	See below Table	
TDL at -5~70c Max.	0.15	dB
Housing dimension	Fiber 3.0 (Ø) x 54 (L) 60(L) x 7(W) x 4(H)	mm
Fiber Type	SMF-28e 250µm bare fiber	
Operating temperature	-40 ~ +85	°C
Storage temperature	-40 ~+85	°C

DESCRIPTION	IL (dB) TYP. / MAX.	PDL (dB) MAX.	UNIFORMITY (dB) MAX.	WDL(dB) MAX.
Single Wavelength Band (1310±40 or 1550 ±40 nm)	3.2 / 3.4	0.15	0.3	0.2

FEATURES

- High Reliability
- Robust Performance
- Compact Package
- RoHS Compliant

APPLICATIONS

- Telecommunications
- Network Monitoring
- FTTX

Note:

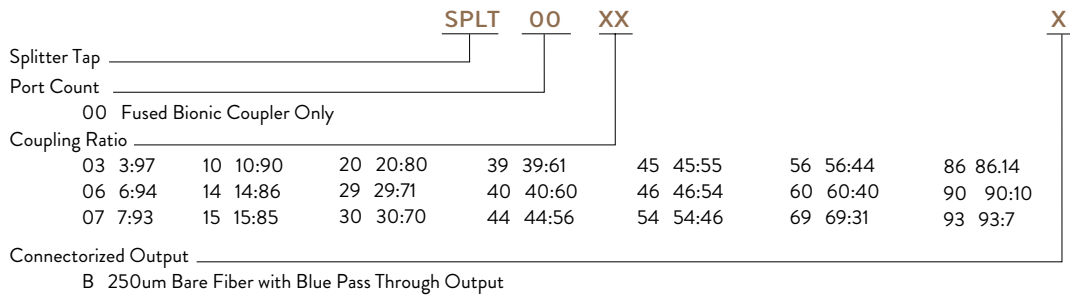
1. The performance values do not include connectors..IL are worst case including PDL, TDL, and WDL.
2. WDL means IL change over Single wavelength band. Only for each window band, not including water peak band.

Channell's Single Mode Fiber Couplers are highly stable for multi-port optical signal splitting with low insertion loss. All devices are qualified according to industry standard test procedures .

Single Mode Fiber Coupler 1x2 (All coupling Ratio)

PART #	DESCRIPTION	Max IL Drop	Max IL Tap	Coupling Ratio
SPLT0003B	Splitter Tap, 1x2 coupler only, 3:97 coupling ratio, 250um leads, 1M pigtail	17.00	0.35	3:97
SPLT0006B	Splitter Tap, 1x2 coupler only, 6:94 coupling ratio, 250um leads, 1M pigtail	13.20	0.45	6:94
SPLT0007B	Splitter Tap, 1x2 coupler only, 7:93 coupling ratio, 250um leads, 1M pigtail	12.50	0.55	7:93
SPLT0010B	Splitter Tap, 1x2 coupler only, 10:90 coupling ratio, 250um leads, 1M pigtail	10.80	0.75	10:90
SPLT0014B	Splitter Tap, 1x2 coupler only, 14:86 coupling ratio, 250um leads, 1M pigtail	9.20	0.90	14:86
SPLT0015B	Splitter Tap, 1x2 coupler only, 15:85 coupling ratio, 250um leads, 1M pigtail	8.90	1.05	15:85
SPLT0020B	Splitter Tap, 1x2 coupler only, 20:80 coupling ratio, 250um leads, 1M pigtail	7.60	1.30	20:80
SPLT0029B	Splitter Tap, 1x2 coupler only, 29:71 coupling ratio, 250um leads, 1M pigtail	5.90	1.90	29:71
SPLT0030B	Splitter Tap, 1x2 coupler only, 30:70 coupling ratio, 250um leads, 1M pigtail	5.80	1.85	30:70
SPLT0039B	Splitter Tap, 1x2 coupler only, 39:61 coupling ratio, 250um leads, 1M pigtail	4.59	2.55	39:61
SPLT0040B	Splitter Tap, 1x2 coupler only, 40:60 coupling ratio, 250um leads, 1M pigtail	4.50	2.70	40:60
SPLT0044B	Splitter Tap, 1x2 coupler only, 44:56 coupling ratio, 250um leads, 1M pigtail	4.00	2.91	44:56
SPLT0045B	Splitter Tap, 1x2 coupler only, 45:55 coupling ratio, 250um leads, 1M pigtail	3.90	3.01	45:55
SPLT0046B	Splitter Tap, 1x2 coupler only, 46:54 coupling ratio, 250um leads, 1M pigtail	3.80	3.10	46:54
SPLT0054B	Splitter Tap, 1x2 coupler only, 54:46 coupling ratio, 250um leads, 1M pigtail	3.10	3.80	54:46
SPLT0056B	Splitter Tap, 1x2 coupler only, 56:44 coupling ratio, 250um leads, 1M pigtail	2.91	4.00	56:44
SPLT0060B	Splitter Tap, 1x2 coupler only, 60:40 coupling ratio, 250um leads, 1M pigtail	2.70	4.50	60:40
SPLT0069B	Splitter Tap, 1x2 coupler only, 69:31 coupling ratio, 250um leads, 1M pigtail	2.00	5.65	69:31
SPLT0086B	Splitter Tap, 1x2 coupler only, 86:14 coupling ratio, 250um leads, 1M pigtail	0.90	9.20	86:14
SPLT0090B	Splitter Tap, 1x2 coupler only, 90:10 coupling ratio, 250um leads, 1M pigtail	0.75	10.80	90:10
SPLT0093B	Splitter Tap, 1x2 coupler only, 93:7 coupling ratio, 250um leads, 1M pigtail	0.55	12.50	93:7

PART NUMBER MATRIX



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