

Single Mode Single Window Broadband Coupler

Product Features :

Low PDL
 Low Insertion Loss
 High Directivity
 Highly Stable

Product Applications :

CATV
 Optical Communication Systems
 Optical Test Sets

Parameter		Specification	Unit
Splitting Ratio		50:50	
Port Configuration		1x2 or 2x2	
Wavelength		1310±40 or 1550±40	nm
Insertion Loss	Max.	≤3.5	dB
Uniformity	Max.	≤0.5	dB
PDL	Max.	≤0.1	dB
Return Loss	Min.	≥ 55	dB
Storage and Operating temperatures		-40 ~ 85	°C
Dimensions - Light Duty (L)		∅3 x 55	mm
Dimensions - Medium Duty (M)		∅3 x 60	mm
Dimensions - Heavy Duty (H)		12 x 8 x 120	mm

Splitting Ratio	Maximum Insertion Loss (dB)	
	Port1	Port2
50:50	3.5	3.5
60:40	2.5	4.4
70:30	1.8	5.6
80:20	1.1	7.4
90:10	0.6	10.8
95:5	0.4	14.0
99:1	0.2	21.0

Single mode single window coupler ordering information:

S	S	C						
Structure:	Splitting Ratio	Fiber length	Package	Connector:	Window			
1= 1 x 2	99=99:1	1 = 1 m	L=Bare fiber	0= None	3 = 1310 nm			
2=2 x 2	98=98:2	2 = 2 m	M=900u	1= FC/PC	5 = 1550 nm			
	95=95:5	S=Special	loose tube	2= FC/APC				
	90=90:10		H=3mm Cable	3= SC/PC				
	80=80:20			4= SC/APC				
	70=70:30			5= LC/UPC				
	60=60:40							
	50=50:50							