

1x2 (2x2) Single Mode Broadband Fused Splitter



Specifications

Parameter		Unit	50 : 50	
			Premium	A grade
Bandwidth		nm	± 40	
Insertion Loss	Max.	dB	3.4	3.6
Excess Loss	Typ.	dB	0.1	0.15
Uniformity	Max.	dB	0.6	1.0
PDL	Max.	dB	0.1	0.15
Return Loss	Min.	dB	50	
Operating Temperature		°C	-40 to +85	
Storage Temperature		°C	-50 to +85	

Note: Return loss without connector; insertion loss does not include connector

Splitting Ratio VS Insertion Loss

Splitting Ratio & Insertion Loss Conversion Table					
Splitting Ratio		Maximum Insertion Loss (dB)			
		Premium		A grade	
Output Port1	Output Port2	Output Port1	Output Port2	Output Port1	Output Port2
50	50	3.4	3.4	3.6	3.6
60	40	2.5	4.4	2.8	4.8
70	30	1.8	5.6	2.0	6.1
80	20	1.1	7.4	1.3	8.0
90	10	0.6	10.8	0.8	12
95	5	0.4	14.6	0.5	18.4
98	2	0.25	19	0.35	20
99	1	0.2	21.5	0.3	22

Features / Benefits

- Compact package option
- Low excess loss
- Low polarization dependent loss

Applications

- Optical communication system
- Optical power distribution system
- Fiber optic sensors
- Optical test system

Ordering Information

S	B	F								
Wavelength	Structure	Splitting Ratio	Grade	Package	Fiber Type	Pigtail	Fiber Length	Connector Type		
1=1625nm 2=1590nm 3=1570nm 4=1550nm 5=1480nm 6=1475nm 7=1310nm	1=1x2 2=2x2	99=99/1 98=98/2 95=95/5 90=90/10 80=80/20 70=70/30 60=60/40 50=50/50	P=Premium A=A grade	A=Ø3x54 mm for bare fiber B=Ø3x 40mm for bare fiber C=Ø3x70mm for 0.9mm D=Ø3x 40mm for 0.9mm E=10x20x90mm for 3mm cable	1=SMF28	S=250µm Bare fiber M=0.9mm loose tube L=3mm cable	0=0.5m 1=1.0m 2=1.5m 3=2.0m	0=None 1=FC/PC 2=FC/SPC 3=FC/APC 4=SC/SPC 5=SC/APC 6=ST 7=FC/UPC 8=SC/UPC 9=MU A=LC		

Note: package B & D only valid for SMF-28 and wavelength option 1 ~ 7.
This product information is subject to change without notice.