

# 1x2 (2x2) Single Mode All Wavelength Broadband Fused Splitter



## Specifications

Parameter	Unit	50 : 50	
		Premium	A grade
Bandwidth	nm	1270 to 1605	
Insertion Loss	Max. dB	3.7	4.0
Excess Loss	Typ. dB	0.07	0.1
Uniformity	Max. dB	0.9	1.3
PDL	Max. dB	0.15	0.2
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

## Features / Benefits

- Low PDL
- Low insertion loss
- Ultra-Broadband
- Stable and Reliable

## Applications

- Optical communication system
- Optical test system
- Passive optical networks
- FTTx

## Splitting Ratio

Splitting Ratio & Insertion Loss Conversion Table					
Splitting Ratio		Maximum Insertion Loss (dB)			
		Premium		A grade	
Out Port1	Out Port2	Out Port1	Out Port2	Out Port1	Out Port2
50	50	3.7	3.7	4.0	4.0
60	40	2.7	4.8	2.9	5.1
70	30	2.0	6.2	2.2	6.6
80	20	1.3	8.0	1.5	8.5
90	10	0.6	11.5	0.8	12.9
95	5	0.4	15.6	0.5	19.2
98	2	0.3	20	0.4	21.5
99	1	0.3	24	0.4	24.6

## Ordering Information

A	B	F								
Wavelength H=1270 to 1605nm	Structure 1=1x2 2=2x2	Splitting Ratio 99=99/1 98=98/2 95=95/5 90=90/10 80=80/20 70=70/30 60=60/40 50=50/50	Grade P=Premium A=A grade	Package A=Φ3x54 mm for bare fiber C=Φ3x70mm for 0.9mm E=10x20x90mm for 3mm cable	Fiber Type 1=SMF28	Pigtail S=250μm Bare fiber M=0.9mm loose tube L=3mm cable	Fiber Length 0=0.5m 1=1.0m 2=1.5m 3=2.0m	Connector Type 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		