

# 1x2 (2x2) Ultra-Low PDL Single Mode 1310/1550nm Narrowband Fused Splitter



## Specifications

Parameter		Unit	50 : 50	
			Premium	A grade
Bandwidth		nm	1310± 10 & 1550± 10	
Insertion Loss	Max.	dB	3.4	3.6
Excess Loss	Typ.	dB	0.1	0.15
Uniformity	Max.	dB	0.8	1.2
PDL	Max.	dB	0.03	0.05
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

- Ultra-low PDL
- Low excess loss

## Applications

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

## Splitting Ratio VS Insertion Loss

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	3.6	3.6	3.9	3.9
60	40	2.7	4.7	2.9	5.0
70	30	1.9	6.0	2.1	6.4
80	20	1.2	7.9	1.4	8.5
90	10	0.6	11.3	0.8	12.7
95	5	0.4	15.2	0.5	18.9
98	2	0.3	19.8	0.4	21
99	1	0.3	23.5	0.4	24

## Ordering Information

D	N	P	0								
Structure	Splitting Ratio	Grade	Package	Fiber Type	Pigtail	Fiber Length	Connector Type				
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=Φ3x54 mm for bare fiber C=Φ3x70mm for 0.9mm E=10x20x90mm for 3mm cable	1=SMF28	S=250μm Bare fiber M=0.9mm L=3mm Cable 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				

This product information is subject to change without notice.