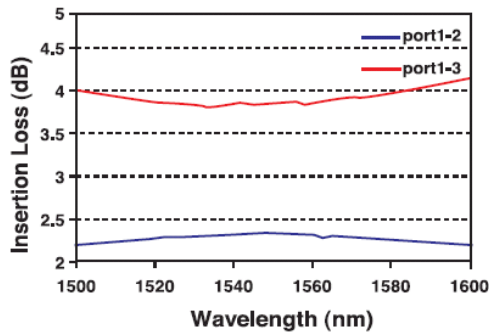


# 1x2(2x2) Ultra-Low PDL Broadband Splitter

**Typical Spectrum  
(Splitting Ratio 60:40)**



## Product Features

- Ultra-Low PDL
- Low Insertion Loss
- High Directivity
- Stable and Reliable

## Product Applications

- Optical Communication System
- Optical Testing System
- Optical Fiber Sensor
- Optical Power Distributor

Specifications			Splitting Ratio: 50:50	
Parameter	Unit	Premium	A grade	
Port Configuration		1x2 or 2x2		
Bandwidth	nm	±40		
Insertion Loss	Max. dB	3.4	3.6	
Excess Loss	Typ. dB	0.07	0.1	
Uniformity	Max. dB	0.6	1.0	
PDL	Max. dB	0.05	0.07	
Return Loss*	Min. dB	50	45	
Operating power	Max. W	5		
Operating Temperature	°C	-40 to +85		
Storage Temperature	°C	-50 to +85		
Package Type	mm	S6	Ø3x54: for bare fiber	
		S8	Ø3x70: for 0.9mm loose tube	
		M1	9x16x90: for 0.9mm loose tube or 2mm cable or 3mm cable	

\* >60dB on request for 1x2 structure.

Test at central wavelength only.

## Splitting Ratio & Insertion Loss Conversion Table

Splitting Ratio	Maximum Insertion Loss (dB)			
	Premium		A grade	
	Output Port 1	Output Port 2	Output Port 1	Output Port 2
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	1.2	7.5	1.3	8.0
90:10	0.6	10.8	0.8	12

## Ordering Information

L	B	S								
Wavelength	Structure	Splitting Ratio	Grade	Package	Fiber Type	Pigtail	Fiber Length	Connector		
1=1625nm 2=1590nm 3=1570nm 4=1550nm 5=1480nm 6=1475nm 7=1310nm P=2000nm S=Specify	1=1x2 2=2x2	90=90:10 80=80:20 70=70:30 60=60:40 50=50:50	P=Premium A=A grade	5=S6 7=S8 D=M1	1=SMF-28e	S=250um bare fiber M=0.9mm loose tube L=3mm cable R=2mm cable	0=0.5m 1=0.75m 2=1.0m S=Specify	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/PC B=SC/PC C=LC/UPC D=LC/APC		

Note: 1. Central Wavelength can be customized for different applications.  
2. All specifications are before connectors and are subject to change without notice.