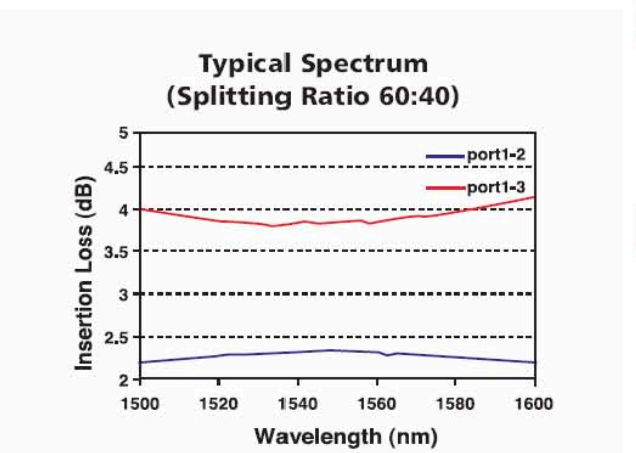
1x2(2x2) Ultra-Low PDL Broadband Splitter



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	55	50
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

**Test at central wavelength only. There would be an unused termination port around 20cm for 1x2 version.*

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

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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=G652 or Equivalent H=SM1950	S=250μm bare fiber M=0.9mm loose tube L=3mm cable R=2mm cable	0=0.5m 1=0.75m 2=1.0m 3=1.5m 4=2.0m 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.

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