

1x3 Single Mode Broadband Splitter



Product Features

- Low PDL
- Low Insertion Loss
- High Directivity
- Stable and Reliable
- Compact Size

Product Applications

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

Specifications		Splitting Ratio: 33:33:33	
Parameter	Unit	Premium	A grade
Port Configuration			1x3
Bandwidth	nm		±40
Insertion Loss	Max. dB	5.4	5.7
Excess Loss	Typ. dB	0.15	0.2
PDL	Max. dB	0.1	0.15
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
		M2	7.5x18x90: for 0.9mm loose tube or 2mm cable or 3mm cable

* Test at central wavelength only.

Splitting Ratio & Insertion Loss Conversion Table only for +/-20nm Bandwidth

Splitting Ratio	Max Insertion Loss (dB)					
	Premium Grade			A Grade		
	Output Port1	Output Port2	Output Port3	Output Port1	Output Port2	Output Port3
49:2:49	3.6	16	3.6	3.8	14	3.8
45:10:45	4.0	11	4.0	4.2	11.5	4.2
40:20:40	4.5	8	4.5	4.7	8.4	4.7
35:30:35	5.0	5.8	5.0	5.2	6.1	5.2
33:33:33	5.3	5.3	5.3	5.6	5.6	5.6
30:40:30	5.8	4.5	5.8	6.1	4.7	6.1
10:80:10	11	1.2	11	12	1.4	12
5:90:5	15	0.7	15	16	0.9	16
2:96:2	19	0.4	19	20	0.5	20
1:98:1	23	0.3	23	24	0.4	24

Ordering Information

S	B	S								
Wavelength	Structure	Splitting Ratio	Grade	Package	Fiber Type	Pigtail	Fiber Length	Connector		
4=1550nm 5=1480nm 7=1310nm P=2000nm S=Specify	3=1x3	98=1:98:1 96=2:96:2 90=5:90:5 ... 33=33:33:33 20=40:20:40 10=45:10:45 02=49:2:49	P=Premium A=A grade	5=S6 7=S8 E=M2	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=L/C/PC B=SC/PC C=L/C/UPC D=L/C/APC		

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