



## 1x3 (3x3) Single Mode Narrowband Splitter

### Features of our coupler:

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

### Applications for our coupler:

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

### Specifications:

Specification		Splitting Ratio: 33:33:33				
Parameter		Unit	Premium		A grade	
Port Configuration			1x3		3x3	
Bandwidth		nm	+/-10			
Insertion Loss	Max.	dB	5.4	5.7	6.0	6.5
Excess loss	Typ.	dB	0.15	0.2	0.3	0.4
Uniformity	Max.	dB	0.8	1.2	1.2	1.6
PDL	Max.	dB	0.05	0.1	0.1	0.15
Return Loss	Min.	dB	50			
Operating Temperature		°C	-40 to +85			
Storage Temperature		°C	-50 to +85			
Package Type		mm	S6	Diam. 3x54: for bare fiber		
			S8	Diam. 3x70: for 0.9mm loose tube		
			M2	7.5x18x90: for 0.9mm loose tube or 3mm cable		

### Splitting Ratio & Insertion Loss Conversion Table (1x3 Structure



<b>Splitting Ratio &amp; Insertion Loss Conversion Table (1x3 Structure Only)</b>						
Splitting Ratio	Maximum Insertion Loss (dB)					
	Premium			A grade		
	Output Port 1	Output Port 2	Output Port 3	Output Port 1	Output Port 2	Output Port 3
40:20:40	4.5	7.8	4.5	4.8	8.2	4.8
35:30:35	5.2	5.7	5.2	5.4	6.0	5.4
33:33:33	5.4	5.4	5.4	5.7	5.7	5.7
30:40:30	5.7	4.4	5.7	6.0	4.7	6.0
25:50:25	6.6	3.4	6.6	7.0	3.6	7.0
20:60:20	7.4	2.8	7.4	7.7	3.0	7.7
15:70:15	9.0	2.1	9.0	9.4	2.4	9.4
10:80:10	10.8	1.1	10.8	11.2	1.3	11.2
5:90:5	14.7	0.65	14.7	15	0.8	15
2.5:95:2.5	17.8	0.40	17.8	18.1	0.5	18.1
1:98:1	21.5	0.25	21.5	22	0.3	22
0.5:99:0.5	24.5	0.25	24.5	25	0.3	25

**Ordering Information:**

- Wavelength: 1550, 1480, 1310nm
- Structure: 1x3, 3x3
- Splitting Ratio: 33:33:33
- Grade: Premium (P), A grade
- Fiber type: SMF-28
- Pigtail: 250um bare fiber, 0.9mm loose tube, 3mm cable
- Fiber length: 0.5m, 1.0m, 1.5m, 2.0m

We have unbeatable price for this product.

- Price is updating, please make a request for our most recent price by calling (514) 334-4588 or by emailing [sales2@o-eland.com](mailto:sales2@o-eland.com)