

# 1x3 Single Mode Ultra-Low PDL Narrowband Fused Splitter

## Specifications

Parameter	Unit	33 : 33 : 33	
		Premium	A grade
Bandwidth	nm	± 10	
Insertion Loss	Max. dB	5.4	5.7
Excess Loss	Typ. dB	0.15	0.2
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

Splitting Ratio & Insertion Loss Conversion Table								
Splitting Ratio			Maximum Insertion Loss (dB)					
			Premium			A grade		
Output Port1	Output Port2	Output Port3	Output Port1	Output Port2	Output Port3	Output Port1	Output Port2	Output Port3
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

<b>S</b>	<b>N</b>	<b>P</b>								
Wavelength	Structure	Splitting Ratio	Grade	Package	Fiber Type	Pigtail	Fiber Length	Connector Type		
4=1550nm 5=1480nm 7=1310nm	3= 1x3	20=40:20:40 30=30:40:30 33=33:33:33 40=30:40:30 50=25:50:25 60=20:60:20 70=15:70:15 80=10:80:10 95=2.5:95:2.5 98=1:98:1 99=0.5:99:0.5	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 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		

This product information is subject to change without notice.