1x3 Polarization-Insensitive Fused Hybrid PM Fiber Splitter

Product Features

- Operating on both Fast and Slow Axis
- Low Excess Loss
- Polarization-Insensitive
- High Power Handling
- Telcordia GR-1221 Compliant Test

Product Applications

- Optical Amplifier
- Optical Sensor
- Coherent Optical System
- Optical Testing Equipment

Specifications

Parameter		Unit	Premium	A grade	Premium	A grade
Port Configuration			1x3			
Central Wavelength		nm	780, 830, 980, 1064		1310, 1480, 1550, 2000	
Bandwidth		nm	±20			
Excess Loss	Typ.	dB	0.5	0.7	0.4	0.6
Excess Loss	Max.	dB	0.7	0.9	0.6	0.8
PDL for PM Channel	Max.	dB	0.1	0.2	0.1	0.2
PER for PM Channel	Min.	dB	18	15	18	16
Return Loss*	Min.	dB	50	45	50	45
Directivity*	Min.	dB	55			
Operating power	Max.	W	2			
Operating Temperature		°C	-40 to +85			
Storage Temperature		°C	-50 to +85			
Package Type		mm	S6 / S12 / M2			

Above PER is for more than 10%(CR) port, it's 2dB lower for no more than 10%(CR) port, and 4dB lower for no more than 5%(CR) port.

All specifications are before connectors. PER is 2dB lower and EL is 0.2dB higher after connectors.

** Test at central wavelength only.*

Splitting Ratio & Its Tolerance

Splitting Ratio	Maximum Splitting Ratio Tolerance (%)			
	Premium		A-Grade	
	Through Port	Coupling Port	Through Port	Coupling Port
5:90:5	±2.5	±1.5	±3.0	±1.8
10:80:10	±2.8	±1.6	±3.2	±2.0
20:60:20	±3.3	±2.0	±3.7	±2.5
25:50:25	±3.5	±2.4	±4.0	±3.0
33:33:33	±6.0	±6.0	±8.0	±8.0
40:20:40	±5.0	±6.0	±6.0	±7.0

Fiber Type	Common Port	Through Port	Coupling Port 1	Coupling Port 2
Type 1	Panda Fiber	Panda Fiber	SMF-28e Fiber or Equivalent Fiber	SMF-28e Fiber or Equivalent Fiber
Type 2	Panda Fiber	Panda Fiber	HI1060 Fiber or Equivalent Fiber	HI1060 Fiber or Equivalent Fiber
Type 3	Panda Fiber	Panda Fiber	HI780C Fiber or Equivalent Fiber	HI780C Fiber or Equivalent Fiber
Type 4	Panda Fiber	Panda Fiber	SMF-28e Fiber or Equivalent Fiber	Panda Fiber
Type 5	Panda Fiber	Panda Fiber	HI1060 Fiber or Equivalent Fiber	Panda Fiber
Type 6	Panda Fiber	Panda Fiber	HI780C Fiber or Equivalent Fiber	Panda Fiber

Ordering Information

P	I	B	S		3									
				Wavelength 4=1550nm 5=1480nm 7=1310nm 8=1064nm 9=980nm L=780nm K=830nm P=2000nm S=Specify	Structure 3=1x3	Splitting Ratio 90=5:90:5 80=10:80:10 60=20:60:20 50=25:50:25 33=33:33:33 20=40:20:40		Grade P=Premium A=A grade	Package 5=S6 with 250um bare fiber pigtail B=S12 with 0.9mm loose tube E=M2 with 3mm cable	Fiber Type 1=Type 1 2=Type 2 3=Type 3 4=Type 4 5=Type 5 6=Type 6	Fiber Length 0=0.5m 1=0.75m 2=1.0m S=Specify	Connector 0=None 1=FC/PC 2=FC/SPC 3=FC/APC 7=FC/UPC

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