

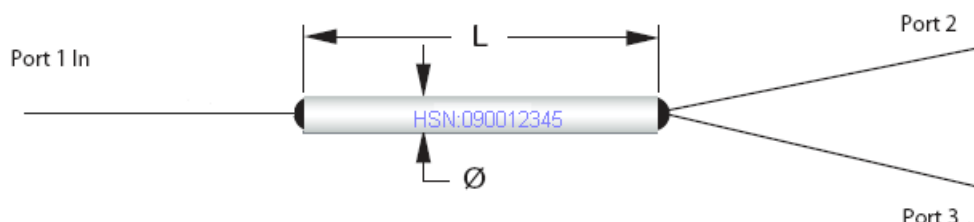
FUSED SINGLE-MODE WDM(1310NM/1550NM)

SWDM35 Series

Product Description

HiPhotonics 1310/1550nm fused single-mode wavelength division multiplexers are manufactured using the proven fused biconical taper technology and HiPhotonics stringent quality procedures. With low insertion loss and flat passband this device is ideal for combining or separating optical signals in the 1310nm and 1550nm bands.

Reliability is guaranteed through stringent tests to fully meet Telcordia GR-1221 requirements



Performance Specification

SWDM35 Series	Standard		High Isolation		Unit
Grade(P=Premium,A=Grade A)	P	A	P	A	nm
Operating Wavelength	1295~1325nm/1528~1565nm				nm
Insertion Loss	<0.3	<0.5	<0.7	<0.8	dB
Wavelength Dependent Loss	<0.15	<0.20	<0.15	<0.20	dB
Temperature Dependent Loss	<0.15	<0.20	<0.15	<0.20	dB
Isolation	Signal Path:<0.10dB,Tap path:<0.15dB				dB
Polarization Dependent Loss	<0.1		<0.2		dB
Directivity	>55				dB
Maximum Power Handling	2000				nW
Operating Temperture Range	-10 ~ +75				℃
Storage Temperature Range	-40 ~+ 85				℃
Package Dimensions	P1:250um bare fiber		ϕ 3.0X 30		mm
	P2:250um bare fiber		ϕ 3.0X 35		
	P2:900nm loose tube		ϕ 3.0X 45		
Fiber Type	Corning SMF-28				

Features :

- Ultra High Isolation
- Ultra Low Insertion Loss
- High Stable&Reliable
- Low polarization Sensitivity
- Bidirectional

Applications :

- Telecommunications
- CATV
- Subscriber Loop
- Local Area Networks
- Laboratory R&D

Note:

- (1) Values are referenced without connector loss.
- (2) Return loss includes PDL and WDL.

Order Information SWDM-①①-②②-③③-④④-⑤⑤-⑥⑥-⑦⑦

①①Operating Wavelength	②②Port	③③Type	④④Grade	⑤⑤Packaging Dimension
35=1310/1550nm	12=1X2		P=P Grade	A=P1+250um bare fiber
	22=2X2		A=A Grade	B=P2+900um loose tube
		S=Standard		C=P3+3mm cable
		H=High Isolation		
⑥⑥Fiber Length	⑦⑦Connector Type			
A=0.5 Meter	0=None			
B=1 Meter	1=FC/UPC			
C=1.5 Meter	2=FC/APC			
D=2.0 Meter	3=SC/UPC			
	4=SC/APC			
	5=LC			
S=Special	S=Special			