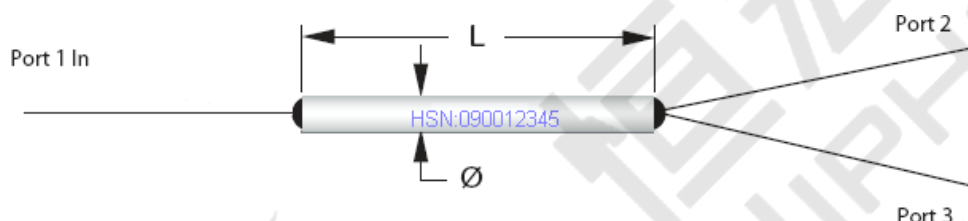


FUSED SINGLE-MODE WDM (980NM/1550NM)

SWDM9815 Series

HiPhotonics 980nm/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 excess loss and very low polarization sensitivity and are available with various device is ideal for combining or separating optical signals in the 980nm and 1550nm bands.

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



Performance Specification

SWDM9815 Series	Standard		High Isolation		Unit
Grade (P=Premium,A=Grade A)	P	A	P	A	nm
Operating Wavelength	970~990nm/1525~1575nm				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
Min Isolation	>23		>26		dB
Polarization Dependent Loss	<0.1		<0.2		dB
Directivity	>55				dB
Maximum Power Handling	300				nW
Operating Temperature Range	-10 ~ +75				℃
Storage Temperature Range	-40 ~+ 85				℃
Package Dimensions	P1:250um bare fiber		ø 3.0X 45		mm
	P2:900nm loose tube		ø 3.0X 54		
	P3:3mm cable		L90xW20xH10		
Fiber Type	Corning Hi-Flex 1060nm OR OFS 980nm				

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-①①-②②-③-④-⑤-⑥-⑦

①①Operating Wavelength	②Port	③Type	④Grade	⑤Packaging Dimension
9815=980/1550nm	12=1X2		P=P Grade	A=P1+250um bare fiber
	22=2X2		A=A Grade	B=P2+900um loose tube
				C=P3+3mm cable
		S=Standard		
		H=High isolation		
⑥Fiber Length			⑦Connector 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	