

## 980-1550nm Single Mode Taper Division Multiplexer

### Features

- Low insertion loss
- High extinction ratio
- Excellent environmental stability

### Application

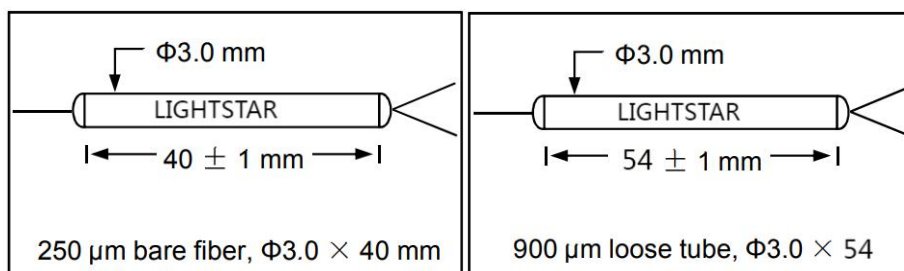
- Passive optical network
- Test instrument
- Optical fiber sensing

### Specifications

Parameter	Unit	Value
Central wavelength	nm	1550&980
Bandwidth	nm	±15
Minimum isolation	dB	20
Maximum insertion loss	dB	0.25
Polarization dependent loss	dB	0.1
Minimum return loss	dB	50
Directivity	dB	50
Power	mW	500
Maximum tensile load	N	5
Stability	dB/°C	≤ 0.002 over -5 °C to +70 °C
Operating temperature	°C	-5 to +70
Storage temperature	°C	-40 to +85
Fiber type	-	Hi 1060 flex fiber
Package dimensions	mm	250um Bare Fiber Ø3.0X40
		900um Loose Tube Ø3.0X54
		3mm Loose Cable 90X20X9

When using the Connector, the processing power is only 1W, the Insertion loss is 0.3dB higher, the return loss is 5dB lower, and the extinction ratio is 2dB lower. The Connector key is aligned with the slow axis.

### Package dimensions



### Ordering information

SWDM-①①①①-②-③③③-④-⑤-⑥

①①①①: Operating wavelength  
9855=T980/R1550nm  
SSSS=Specify

②: Port type  
1=1x2  
2=2x2

③③③: Fiber type  
004=HI1060  
SSS=Specify

④: Pigtail type  
1=250um bare fiber  
2=900um loose tube  
S=Specify

⑤: Length  
H=0.5m  
1= 1.0m  
S=Specify

⑥: Connector  
0=None  
1=FC/UPC  
2=FC/APC  
S=Specify