



# Singlemode Wavelength Division Multiplexer (1310/1550, 1480/1550) (GK-WDM Series)

## ● Description

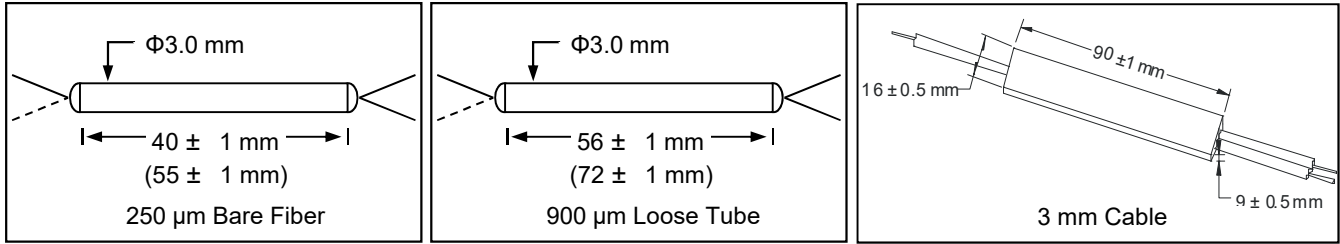
The Singlemode Wavelength Division Multiplexers combine or separate light at different wavelengths. They offer very low insertion loss, low polarization dependence, high isolation and excellent environmental stability. These components have been extensively used in EDFA, CATV, WDM networks and fiber optics instrumentation.

## ● Specifications

Parameter	Unit	Value
Center Wavelength ( $\lambda_c$ )	nm	1310/1550 1480/1550
Operation Wavelength	nm	$\lambda_c \pm 15$ $\lambda_c \pm 5$
Min. Isolation	dB	17 13
Max. Insertion Loss	dB	0.20 0.35
Max. Polarization Dependent Loss	dB	0.1 0.2
Thermal Stability	dB/°C	$\leq 0.002$ over -5 °C to +70 °C
Min. Return Loss	dB	60
Directivity	dB	60
Max. Optical Power (Continuous Wave)	mW	300
Fiber Type	-	SMF-28 Fiber
Package Dimensions	mm	250 $\mu$ m Bare Fiber, $\Phi 3.0 \times 40$ mm for 1310/1550 (3.0 $\times$ 55 mm for 1480/1550) 900 $\mu$ m Loose Tube, $\Phi 3.0 \times 56$ mm for 1310/1550 (3.0 $\times$ 72 mm for 1480/1550) 3 mm Cable, 90 $\times$ 16 $\times$ 9 mm
Operating Temperature	°C	- 5 to + 70
Storage Temperature	°C	- 40 to + 85

<sup>1</sup>IL is 0.3 dB higher, RL is 5 dB lower for each connector added.

## ● Package Dimensions



## ● Ordering Information

GK-WDM-①-②-③-④-⑤

### ①: Configuration

1 - 1 × 2  
2 - 2 × 2

### ②: Connector Type

1 - FC/UPC  
2 - FC/APC  
3 - SC/UPC  
4 - SC/APC  
N - None  
S - Specify

### ③: Fiber Jacket

B - 250 μm Bare Fiber  
L - 900 μm Loose Tube  
3 - 3 mm Cable  
S - Specify

### ④: Fiber Length

1 - 1.0 m  
S - Specify

### ⑤: Wavelength

3155 - 1310 & 1550 nm  
4855 - 1480 & 1550 nm