

### Key Features

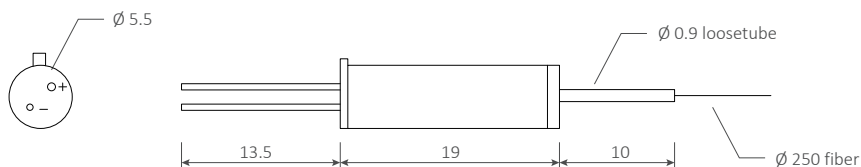
- Low insertion loss
- Low power consumption
- Small volume
- Fast response time
- High stability
- High reliability

### Applications

- Dwdm channel equalization
- Edfa power equalization
- Optical receiver protection
- Dynamic power regulation



## Dimensions



Unit: mm

## Parameter Specifications

		C-Band		Extended Band	
		Min.	Max.	Min.	Max.
Wavelength Range	c-band	1525nm	1570nm	1525nm	1570nm
Minimum Insertion Loss	@ 0 VDC	-	1.0	-	1.0dB
Attenuation Range	@ <4.75 VDC	15dB	-	15dB	-
	@ <6.5 VDC	35dB	-	35dB	-
Return Loss (All Ports)		45dB	-	45dB	-
Wavelength Dependent Loss	@ 0 dB Att	-	0.2dB	-	0.2dB
	@ 5 dB Att	-	0.8dB	-	0.8dB
	@ 10 dB Att	-	0.8dB	-	0.8dB
	@ 15 dB Att	-	1.0dB	-	1.0dB
Wavelength Dependent Loss Tilt	@ 10 dB Att	-0.6dB	0.6dB	-0.6dB	0.6dB
	@ 15 dB Att	-0.8dB	0.8dB	-0.8dB	0.8dB
WDL Ripple	@ 10 dB Att	-	0.2dB	-	0.2dB
	@ 15 dB Att	-	0.2dB	-	0.2dB
Polarization Dependent Loss	@ 0 dB Att	-	0.2dB	-	0.2dB
	@ 5 dB Att	-	0.2dB	-	0.2dB
	@ 10 dB Att	-	0.3dB	-	0.3dB
	@ 15 dB Att	-	0.5dB	-	0.5dB
Temperature Dependent Loss	@ 0 dB Att	-	0.3dB	-	0.3dB
	@ 5 dB Att	-	3.0dB	-	3.0dB
	@ 10 dB Att	-	3.0dB	-	3.0dB
	@ 15 dB Att	-	3.5dB	-	3.5dB
Polarization Mode Dispersion	@ 0-20 dB Att	-	0.1dB	-	0.1dB
Chromatic Dispersion	@ 0-20 dB Att	-5ps/nm	+5ps/nm	-5ps/nm	+5ps/nm
Voltage vs Insertion Loss Corelative Stability	@ 0-15 dB Att	-0.7dB	0.7dB	-0.7dB	0.7dB
Voltage vs Insertion Loss EOL Variation	@ 0-15 dB Att	-0.7dB	0.7dB	-0.7dB	0.7dB
Fiber Type		SMF 28e+ Bare Fiber			
Fiber Length		>1.0m			
Connector		Customer Designated			

Note:  
The above parameters do not include a connector, which is less than 0.2dB for a pair of connector.

## Operating Conditions

Maximum Power Handling	500mW
Operating Temperature	-5°C ~ +70°C
Storage Temperature	-40°C ~ +85°C
Operating Shock	50G, 3 Axis (+/- xyz)
Operating Vibration	1G, 5-100Hz, 3 Axes, 0.25 Octave/Min
Storage Shock	5 Times/Direction for 6 Directions (on 3 Axes), 500Gx1ms
Storage Vibration	20G, 20-2000Hz, 4 Min/Cycle and 4 Cycles/Axis



### OptiWorks, Inc.

47211 Bayside Parkway, Fremont, CA 94538, USA  
Phone +1 510 438 4560  
[sales@optiworks.com](mailto:sales@optiworks.com)

### OptiWorks (Kunshan) Co., Ltd.

No. 168, Nanhe Rd., Kunshan Economic & Technology  
Development Zone, Kunshan City, Jiangsu 215300, China  
Phone +86 512 5763 0863  
[contact@optiworks.com](mailto:contact@optiworks.com)

### OptiWorks (Shanghai) Co., Ltd.

Room 810-811, Changchun Business Building,  
No. 953 Qinzhou North Road, Shanghai 200233, China  
Phone +86 021 6485 8787  
[contact@optiworks.com](mailto:contact@optiworks.com)