

## PD-WDM

### Features

- Low Insertion Loss and high isolation
- Low PDL & PMD
- Optical path epoxy free
- Telcordia compliant
- RoHS compliant

### Applications

- EDFA
- WDM system
- Fiber optic instruments



### Specifications

Parameter		VALUE			Unit
Pass Channel Wavelength Range, $\lambda P$		1260~1360			nm
Reflection Channel Wavelength		1540~1560 and 1480~1500			nm
Responsibility		min	Typ	max	
		0.90	0.95		1550nm
Bandwidth		2.5	3.2		GHz
IMD2		70			dBc
IMD3		80			dBc
Operating Voltage			5	20	V
Frequency Bandwidth		5	6		GHz
Frequency Response		-0.5		0.5	dB
Dark Current		1			nA
Capacitance		0.7			pF
Insertion Loss	Com-Reflection	$\cong 0.5$			dB
Isolation	Com-Pass, $\lambda R$	$\cong 25$			dB
	Com-Reflection, $\lambda P$	$\cong 15$			dB
Return Loss		$\cong 45$			dB
Directivity		$\cong 50$			dB
PDL		$\cong 0.1$			dB
Fiber Type		SMF-28e, 250um bare fiber			
Fiber Color		Comport:Black Passport:Nature Ref port:Nature or customed			
Package Dimension		5.5mm( $\varnothing$ ) $\times$ 34(L)for bare fiber 5.5mm( $\varnothing$ ) $\times$ 40(L)for 900um Loss tube			mm
Operating Temperature		-10~+70			$^{\circ}$ C
Storage Temperature		-40~+85			$^{\circ}$ C