

## WDM/Isolator Hybrid: 980/1550nm

### Performance Specifications

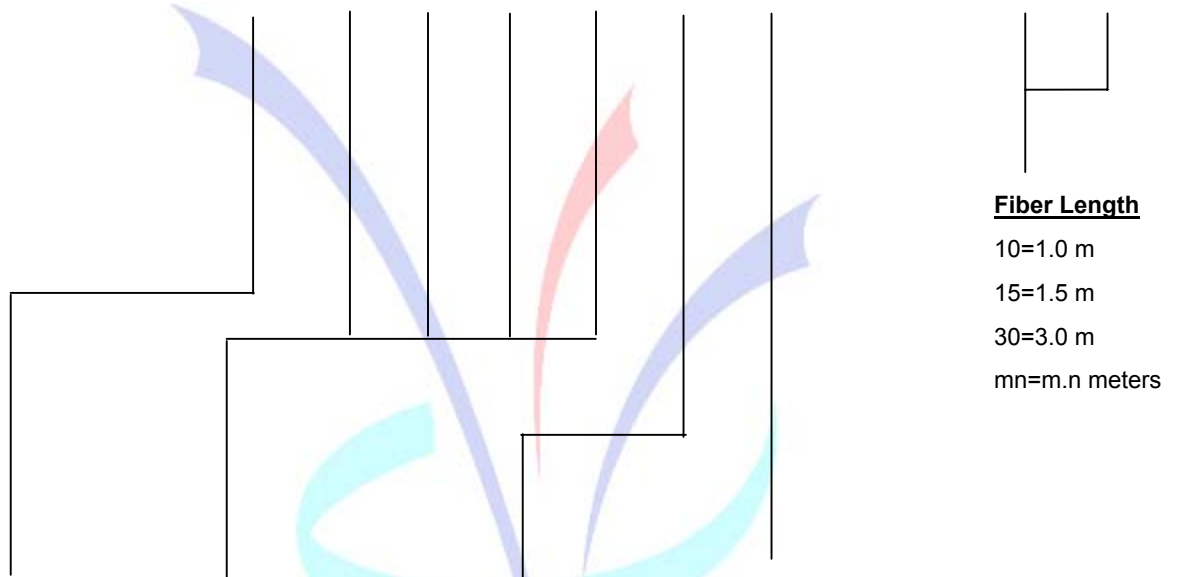
Parameters*	Specification		Unit
	Single Stage	Dual Stage	
Signal Wavelength Range ( $\lambda_s$ )	1528 – 1565		nm
Pump Wavelength Range ( $\lambda_p$ )	965 – 995		nm
Insertion Loss at $\lambda_s$	$\leq 1.2$	$\leq 1.3$	dB
Isolation of Isolator at $\lambda_s$	$\geq 21$	$\geq 36$	dB
Transmission Isolation of WDM at $\lambda_p$	$\geq 30$		dB
Reflection Isolation of WDM at $\lambda_s$	$\geq 15$		dB
Insertion Loss at $\lambda_p$	$\leq 0.6$		dB
PDL	$\leq 0.10$		dB
PMD	$\leq 0.25$	$\leq 0.05$	ps
Return Loss	$\geq 50$		dB
Directivity	$\geq 55$		dB
Maximum Power Handling	300		mW
Operating Temperature	0 to 70		°C
Storage Temperature	-40 to 85		°C
Package Dimensions	Bare Fiber	$\phi$ 5.5 x 35 typical	mm
	900 $\mu$ m Loose Tube	$\phi$ 5.5 x 40 typical	
Fiber Type	Flexcor 1060 fiber at common/pump port Corning SMF-28 at signal port		

\*Specifications referenced without connectors.

\*\*PMD compensated type available (PMD  $\leq$ 0.5 ps)

### P/N Scheme: Hybrid (WDM + Isolator)

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<u>Stage</u>	<u>Wavelength/Band</u>	<u>Pump Configuration</u>	<u>Fiber Jacket</u>	<u>Connectors</u>	
1 = Single	9815 = 980/1550 nm	F = Forward	A =250 μm bare fiber	0=none	A=FC/PC
2 = Dual	1415 = 1480/1550 nm	B = Backward	B =900 μm loose tube	2=FC/UPC	B=SC/SPC
				3=FC/APC	C=SC/PC
				4=SC/UPC	D=ST/SPC
				5=SC/APC	E=ST/PC
				6=ST/UPC	F=LC/SPC
				7=LC/UPC	G=LC/PC
				9=FC/SPC	H=MU/UPC
					I=MU/PC
					J=LC/APC