

## Circulator Performance Specifications: 1590nm (L Band)

### Performance Specifications

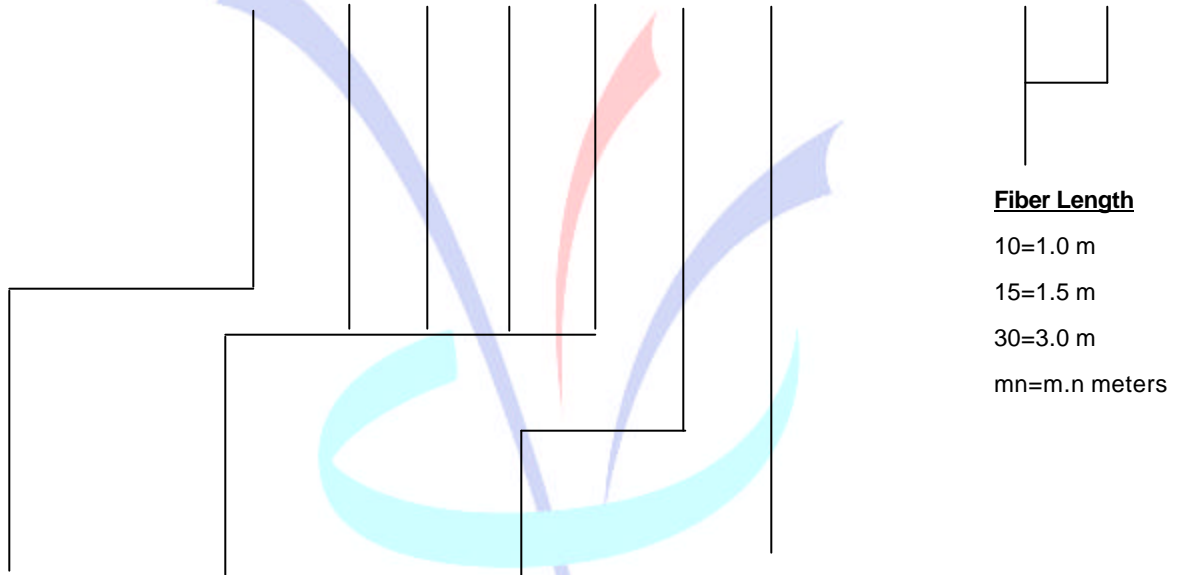
Parameter*	Grade P	Grade A	Unit
Wavelength Range	1565 – 1610		nm
Isolation (all $\lambda$ )	$\geq 40$	$\geq 35$	dB
Insertion Loss	$\leq 0.8$	$\leq 1.0$	dB
Polarization Dependent Loss P1 $\rightarrow$ P2 or P2 $\rightarrow$ P3	$\leq 0.10$	$\leq 0.15$	dB
Polarization Mode Dispersion	$\leq 0.10$		ps
Directivity	$\geq 50$		dB
Return Loss	$\geq 50$		dB
Maximum Optical Power	500		mW
Fiber Type	SMF-28		
Operating Temperature	0 to +65		$^{\circ}\text{C}$
Storage Temperature	-40 to +85		$^{\circ}\text{C}$
Package Dimensions	$\varnothing$ 5.5 x 60		mm

\*Target specifications are referenced without any connectors.

OptiWorks

## P/N Scheme: 3-port Circulator

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### Fiber Length

10=1.0 m  
 15=1.5 m  
 30=3.0 m  
 mn=m.n meters

<u>Grade</u>	<u>Wavelength/Band</u>	<u>Fiber Type</u>	<u>Fiber Jacket</u>	<u>Connectors</u>
P = Premium	1310 = 1290 – 1330 nm	1 = SMF-28	A =250 μm bare fiber	0=none    A=FC/PC
A = Grade A	1550 = 1530 – 1570 nm (C Band)		B =900 μm loose tube	2=FC/UPC    B=SC/SPC
	1600 = 1565 – 1610 nm (L Band)			3=FC/APC    C=SC/PC
	1516 = 1530 – 1610 nm (C+L Band)			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