

Circulator Performance Specifications: 1550nm (C Band)

Performance Specifications

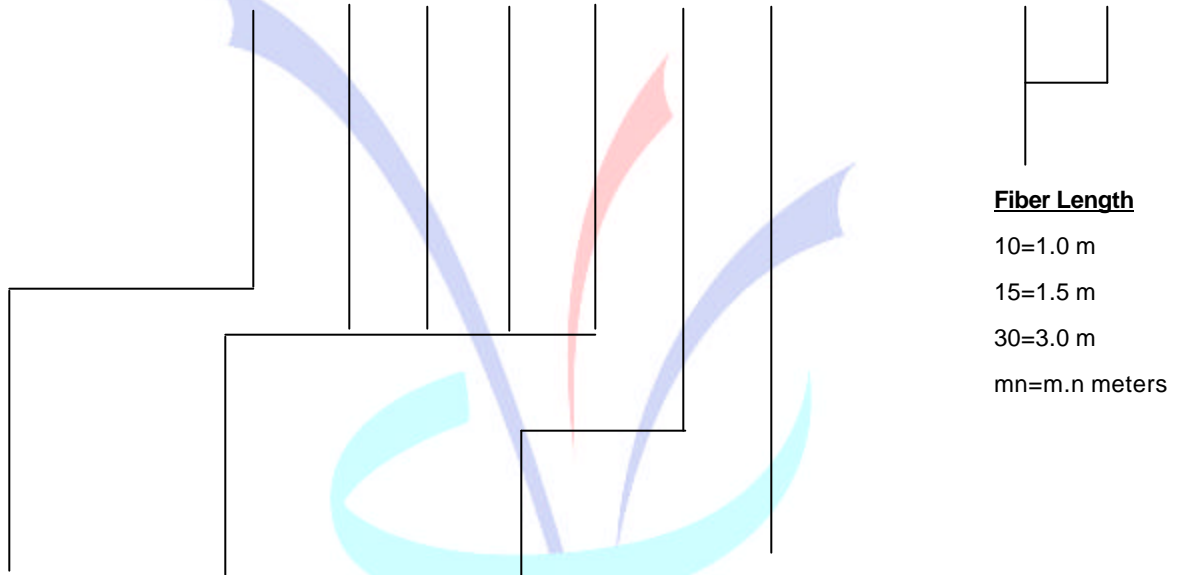
Parameter*	Grade P	Grade A	Unit
Wavelength Range	1530 – 1570		nm
Isolation (all λ)	≥ 40	≥ 35	dB
Insertion Loss	≤ 0.8	≤ 1.0	dB
Polarization Dependent Loss P1 \rightarrow P2 or P2 \rightarrow P3	≤ 0.10	≤ 0.15	dB
Polarization Mode Dispersion	≤ 0.10		ps
Directivity	≥ 50		dB
Return Loss	≥ 50		dB
Maximum Optical 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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<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