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 → P2 or P2 → 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		°C
Storage Temperature	-40 to +85		°C
Package Dimensions	∅ 5.5 x 60		mm

*Target specifications are referenced without any connectors.

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P/N Scheme: 3-port Circulator

C	I	R						1		N	N			

Fiber Length

10=1.0 m

15=1.5 m

30=3.0 m

mn=m.n meters

Grade

P = Premium

A = Grade A

Wavelength/Band

1310 = 1290 – 1330 nm

1550 = 1530 – 1570 nm (C Band)

1600 = 1565 – 1610 nm (L Band)

1516 = 1530 – 1610 nm (C+L Band)

Fiber Type

1 = SMF-28

Fiber Jacket

A =250 µm bare fiber

B =900 µm loose tube

Connectors

0=none	A=FC/PC
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

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