

CIRCULATORS

An optical circulator is a component that can be used to separate optical power that travels in opposite directions in one single fiber. An optical circulator is a three-port device that allows light to travel in only one direction from port 1 to port 2, then from port 2 to port 3.



Circulator Specifications			
Parameter			
Port Number	3 Ports		4 Ports
Wavelength	1310,C,L	C+L	C
Insertion Loss ¹ (λ c,23°C, all SOP) (dB)	0.8 (Grade P); 0.9 (Grade A)		
Isolation (λ c,23°C, all SOP) (dB)	≥ 40	≥ 40	≥ 40
Isolation (Over all λ , T,SOP)(dB)	≥ 35	≥ 30	≥ 35
PDL (dB)	0.1 (Grade P); 0.15 (Grade A)		0.15 (Grade P); 0.20 (Grade A)
Return Loss (dB)	≥ 50		
TDL (dB)	≤ 0.2		
WDL (dB)	≤ 0.2 (1310nm/C Band/L Band); ≤ 0.4 (C+L Band)		
PMD (ps)	≤ 0.05		
Input Optical Power (mW)	≤ 500		
Directivity (dB)	≤ -50		
Operation Temperature(°C)	0 - +70		
Storage Temperature(°C)	-40 to +85		
Package (mm)	Ø5.5 X 50L		Ø5.5 X 64L

1. Insertion Loss doesn't include connector loss

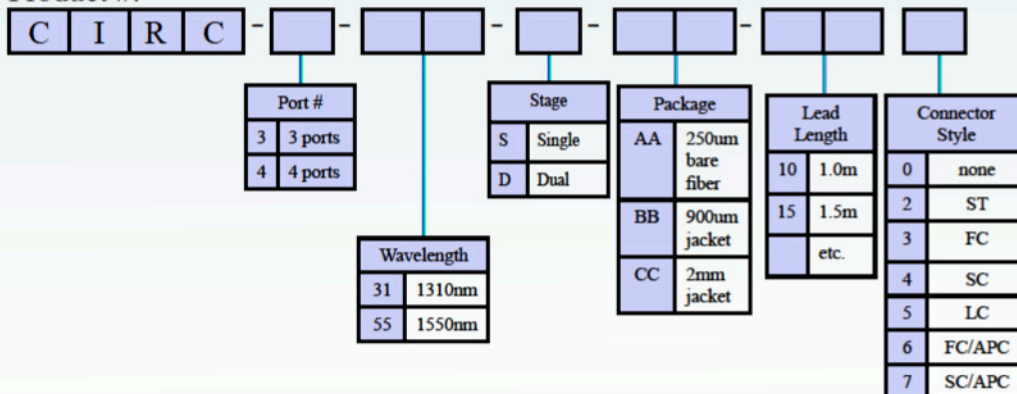
Features

- Low Optical Loss
- High Isolation
- Low Polarization Dependent Loss

Applications

- Telecom
- Biomedical
- Oil and Gas
- Laser Applications
- Instrumentation
- Test and Measurements

Product #:



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Specifications are based on non-connectorized products. For connectorized specifications, please call sales for details. Custom optical & mechanical configurations are available upon request.