

Fiber Optic Circulators

6015-3, 6015-3-FC,
6015-3-APC



Description

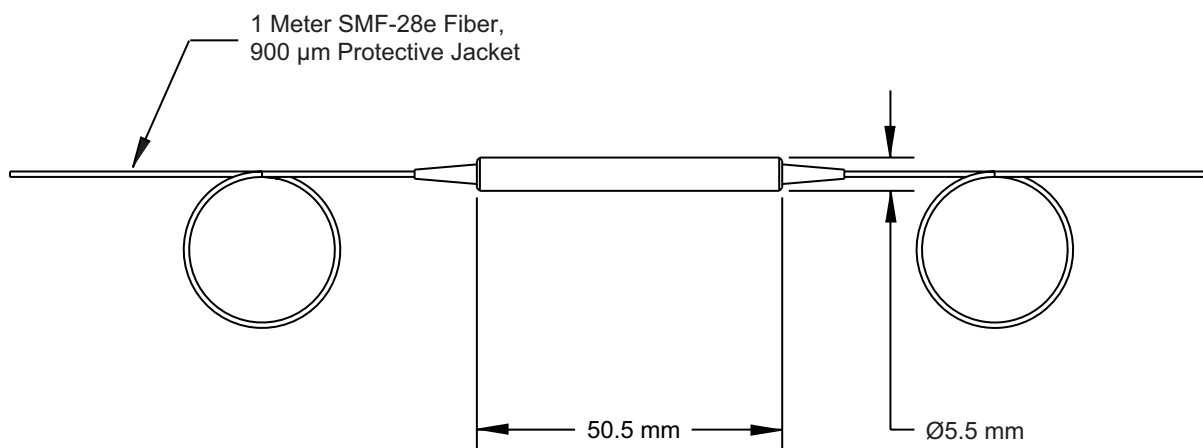
Fiber optic circulators are non-reciprocating, one directional, three-port devices that are used in a wide range of optical setups and for numerous applications. An optical circulator is analogous to an electronic circulator and both perform similar functions. An optical circulator is a three-port device that allows light to travel in only one direction. A signal entered to Port 1 will exit Port 2, while a signal entering Port 2 will exit Port 3 all with minimal loss. Light entering port 2 experiences a large amount of loss at port 1, and light entering port 3 experiences a large amount of loss at ports 2 and 1.

Specifications

Specification	Value
Optical Specifications	
Wavelength Range	1525 – 1610 nm
Insertion Loss	0.8 dB Typ, 1.0 dB Max
Isolation	>40 dB
Directivity (1→3)	>50dB
Polarization Dependent Loss	≤0.1 dB
Polarization Mode Dispersion	≤0.05 ps
Polarization Extinction Ratio	n/a
Chromatic Dispersion	-
Return Loss	≥50 dB
Max Optical Power	500 mW

Specification	Value
Mechanical Specifications	
Package Dimensions	Ø 5.5 mm x 50.5 mm
Fiber	SMF-28e, 900 µm Protective Jacket
Length	1.0 m
Connector, Each Port	Bare Fiber (-FC is FC/PC -APC is FC/APC)
Operating Temp	0 to 70 °C
Storage Temp	-40 to 85 °C
Operating Relative Humidity	5% - 60%
Storage Relative Humidity	5% - 85%

Drawings



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