

SFC3- Circulator

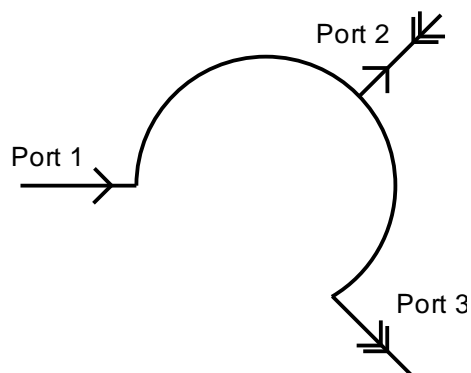
Description:

The OPTOKON SFC3 polarization-insensitive fiber optic circulator is a compact, high-performance light wave component that routes incoming signals from Port 1 to Port 2, and incoming Port 2 signals to Port 3. This component provides high isolation, very low insertion loss, low polarization dependent loss (PDL), low polarization mode dispersion (PMD), and excellent environmental stability.



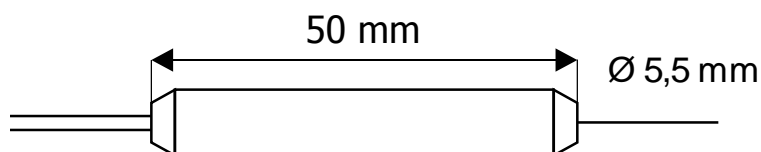
Features:

- Very low insertion loss
- Broadband
- Low wavelength dependent loss
- Low temperature dependent loss
- High-power handling capability and reliability
- High isolation
- Compact cylindrical package
- Excellent environment stability



Applications:

- Fiber amplifier systems
- Wavelength division multiplexing
- WDM add/drop
- WDM networks
- Bidirectional transmission systems
- Optical time domain reflectometer
- OTDR and sensing systems



Technical specifications:

Operating Wavelength Range (nm)	1310 ±30	1310 ±50	1550 ±30	1550 ±50
Insertion Loss (dB) typ	0.60	0.80	0.60	0.80
Insertion Loss (dB) max	0.80	1.00	0.80	1.00
Isolation (dB) min	40	40	40	40
Isolation (dB) max	50	50	50	50
Directivity (dB)	50	50	50	50
Polarization Dependent Loss (dB)	<0.15	<0.15	<0.15	<0.15
Polarization Mode Dispersion (ps)	<0.10	<0.10	≤0.10	≤0.10
Return Loss (dB)	>50	>50	>50	>50
Max. Operating Optical Power (mW)	500			
Fiber Length (m)	≥1			
Operating Temperature	-5 °C to + 70 °C			
Storage Temperature	-40 °C to + 85 °C			
Humidity	0 to + 85 %			
Fiber Type	SMF-28e			

Ordering Code:

SFC3	-	XX	-	XXX	-	NC
wavelength¹ 31 1310±30 nm 31E 1310±50 nm 55 1550±30 nm 55E 1550±50 nm		no input and output connectors connector type can be defined according to: CON_13-01 (Jumper Ordering Code) standard fiber/cable length = 1 m				
package version I (basic type) BFS Fiber 250 μm, standard tube L= 50 x 5.5 mm LTS Fiber 0.9 mm, standard tube L= 50 x 5.5 mm CM1 Cable type, metal box 100 x 15 x 9 mm			package version II (optional) CAPM OPTOKON cassette			

package variants:
Note:

1) Other λ combination on demand

