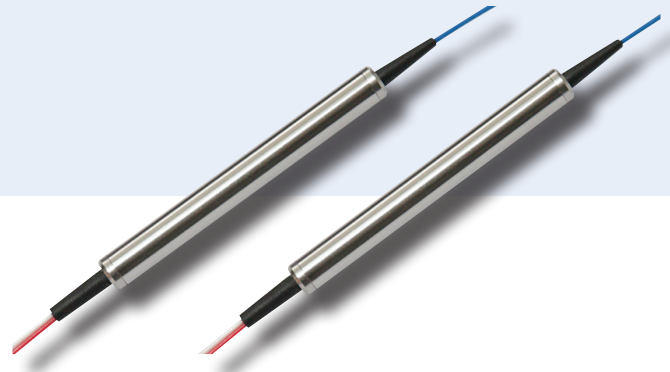


Polarisation Insensitive Optical Circulators



Polarisation insensitive optical circulators offer a cost effective, simple, passive and reliable method of doubling fibre capacity. Optical circulators work by allowing bi-directional traffic over a single fibre, effectively doubling your network capacity. Optical circulators are an effective means of increasing bandwidth in a network at capacity without costly fibre installation.

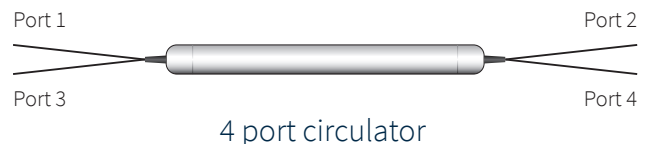
Applications

- Metro Area Network
- Wavelength Add / Drop
- Dispersion Compensation
- Bi-Directional Communication
- Network duplication

Features & Benefits

- Precision terminations and low insertion loss
- Very low polarisation dependent loss
- Compact inline unit allows for seamless integration into installations
- Passive operation requires no energy or cooling
- Wide operating temperature allows for remote installations
- Epoxy free optical path
- Specifically designed blister packaging ensures device safety during storage and delivery
- 3 and 4 port variants available in a range of termination options

Technical Schematic



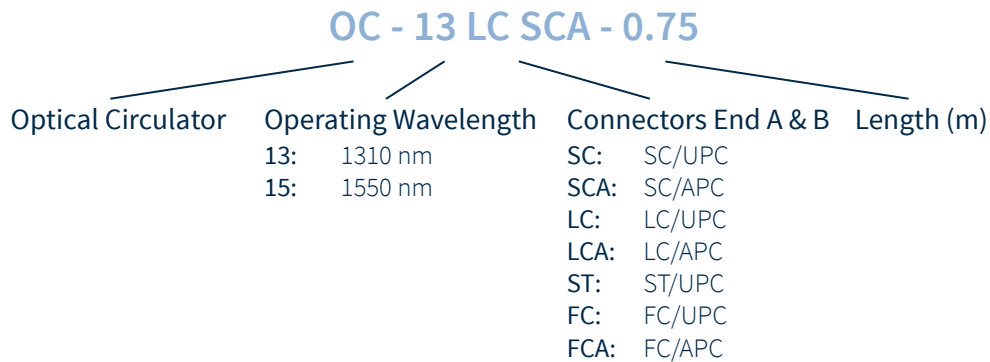
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For further information:
www.fibreoptic.com.au
+61 3 9757 3000

Technical Specifications

Description	3 Port Optical Circulator	4 Port Optical Circulator
Optical Path	1 → 2, 2 → 3	1 → 2, 2 → 3, 3 → 4
Operating wavelength (nm)	1310 or 1550 ±15	1310 or 1550 ±15
Typical insertion loss (dB)	0.6	0.7
Maximum insertion loss (dB)	0.9	1.2
Wavelength dependent loss (dB)	< 0.15	< 0.15
Channel isolation (dB)	≥ 40	≥ 40
Directivity (dB)	≥ 50	≥ 50
Channel cross talk (dB)	≥ 50	≥ 50
Polarisation dependent loss (dB)	< 0.10	< 0.20
Polarisation mode dispersion (ps)	< 0.06	< 0.06
Return loss (dB)	> 50	> 50
Optical power handling (mW)	300	300
Operating temperature (°C)	0 to +70	0 to +70
Storage temperature (°C)	-40 to +85	-40 to +85
Package dimensions (mm)	Ø 5.5 x 60.0	Ø 5.5 x 68.0

Ordering Information



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