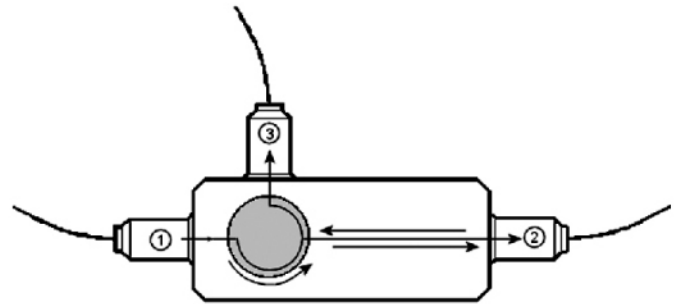


Applications :

- WDM
- Fiber Amplifiers
- Interometers
- Sensing
- OCT (Optical Coherence Tomography)



Optical circulators are used in applications where you need an Optical Isolator and you need to sample/detect/mix a returned signal. A circulator allows you to send a signal downstream where it will be amplified, mixed or resampled and that signal will return to a third port. The source signal and the returned signal are completely isolated from one another.

Polarization Independent SM Fiber Circulators

Low Power

Catalog Number	Operating Wavelength	Isolation (2-1)	Isolation (3-2)	Insertion Loss (1-2)	Insertion Loss (2-3)	Crosstalk (1-3, 3-1)	Return Loss	PDL	PMD	Power Handling
OCM-1310	1310nm (1295-1325nm)	>35dB	>35dB	≤0.9dB	≤0.9dB	>40dB	<58dB	<0.1dB	<0.1ps	500mW
OCM-1550	1550nm (1530-1570nm)	>35dB	>35dB	≤0.6dB	≤0.6dB	>40dB	<58dB	<0.1dB	<0.1ps	500mW

High Power

Catalog Number	Operating Wavelength	Isolation (2-1)	Isolation (3-2)	Insertion Loss (1-2)	Insertion Loss (2-3)	Crosstalk (1-3, 3-1)	Return Loss	PDL	Power Handling (1-2)	Power Handling (2-3)
OC-3-633	633nm±10nm	33-40dB	30-35dB	1.4-1.8dB	1.5-2.0dB	<40dB	>48dB	≤0.3dB	1W	300mW
OC-3-660	660nm±10nm	33-40dB	30-35dB	1.4-1.8dB	1.5-2.0dB	<40dB	>48dB	≤0.3dB	1W	300mW
OC-3-690	690nm±10nm	33-40dB	30-35dB	1.4-1.8dB	1.5-2.0dB	<40dB	>48dB	≤0.3dB	1W	300mW
OC-3-780	780nm±10nm	27-35dB	27-35dB	0.8-1.8dB (1.2 typical)	1.3-2.0dB (1.8 typical)	<40dB	>48dB	≤0.3dB	1W	300mW
OC-3-800	800nm±10nm	27-35dB	27-35dB	0.8-1.8dB (1.2 typical)	1.3-2.0dB (1.8 typical)	<40dB	>48dB	≤0.3dB	1W	300mW
OC-3-830	830nm±10nm	27-35dB	27-35dB	0.8-1.8dB (1.2 typical)	1.3-2.0dB (1.8 typical)	<40dB	>48dB	≤0.3dB	1W	300mW
OC-3-850	850nm±10nm	27-35dB	27-35dB	0.8-1.8dB (1.2 typical)	1.3-2.0dB (1.8 typical)	<40dB	>48dB	≤0.3dB	1W	300mW
OC-3-980	980nm±10nm	30-36dB	30-36dB	1.0-1.5dB	1.3-1.8dB	43-55dB	>50dB	0.10-0.25dB	5W	300mW
OC-3-1047	1047nm±10nm	>32dB	>30dB	1.3-1.9dB	1.3-1.9dB	<40dB	>50dB	0.10-0.25dB	3W	3W
OC-3-1053	1053nm±10nm	>32dB	>30dB	1.3-1.9dB	1.3-1.9dB	<40dB	>50dB	0.10-0.25dB	3W	3W
OC-3-1064	1064nm±10nm	>32dB	>30dB	1.3-1.9dB	1.3-1.9dB	<40dB	>50dB	0.10-0.25dB	3W	3W
OC-3-1080	1080nm±10nm	>32dB	>30dB	1.3-1.9dB	1.3-1.9dB	<40dB	>50dB	0.10-0.25dB	3W	3W
OC-3-1310	1310nm±20nm	>35dB	>32dB	0.9-1.3dB	0.9-1.3dB	>40dB	<55dB	<0.1dB	5W	500mW
OC-3-1310-HP	1310nm±20nm	>33dB	>35dB	0.9-1.3dB	0.9-1.3dB	>40dB	<58dB	<0.1dB	500mW	5W
OC-3-1310-HP2	1310nm±20nm	>33dB	>33dB	1.0-1.5dB	1.0-1.5dB	>40dB	<55dB	<0.1dB	5W	5W
OC-3-1550	1550nm±20nm	>35dB	>32dB	0.9-1.3dB	0.9-1.3dB	>40dB	<55dB	<0.1dB	5W	500mW
OC-3-1550-HP	1550nm±20nm	>33dB	>35dB	0.9-1.3dB	0.9-1.3dB	>40dB	<58dB	<0.1dB	500mW	5W
OC-3-1550-HP2	1550nm±20nm	>33dB	>33dB	1.0-1.5dB	1.0-1.5dB	>40dB	<55dB	<0.1dB	5W	5W