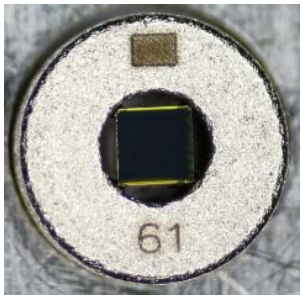
Free Space Isolator

ORC's Free Space Isolator is optical path epoxy-free, which allows the product to have excellent reliability.

Features:

High Isolation
Polarization Dependent
Optical Path Epoxy Free
Compact Size
Versatile Package



Application:

Optical Transmitter
Laser Diode Packaging

Specifications (Standard)

Parameter		**Unit**	Single stage	Dual stage
Center Wavelength (λc)		nm	1310 、1490、1550 or CWDM Wavelength	
Isolation (at 25°C)	Type		40	55
	Min	dB	30	45
Insertion Loss (at 25°C)	Type	dB	0.20	0.4
	Max	dB	0.3	0.6
Clear Aperture		mm	Φ0.8， Φ0.6， Φ0.5 or Customer	
Optical Power	Max	mW	300	
Operating Temperature		℃	-40 to +85	
Storage Temperature		℃	-40 to +85	

Ordering information:

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	Style	**Wavelength**	**OD**	**Height**	**Clear Aperture**	**Package**	**MarkDots&Laser Mark**
FSI	S=Single stage	31=1310nm 55=1550nm 48=1480nm xx=Customer	13=Φ1.3mm 15=Φ1.5mm 18=Φ1.8mm 20=Φ2.0mm 21=Φ2.1mm 25=Φ2.5mm XX=Customer	1=1.0mm 2=1.1mm 3=1.4mm X=Customer	A=0.4mm B=0.5mm C=0.60mm D=0.70mm E=0.80mm F=0.90mm X=Customer	0=Bare Chip 1=Magnetic Ring 2=Steel Ring，Slot on the input side 3=Steel Ring，Slot on the output side 4=Steel Ring，No slot X=Customer	See Table XX=Customer

Table1

Code	Magentic Ring		Code	Steel Ring	
0A	1270nm	black&yellow	3A	1270nm	black&yellow
0B	1290nm	black&green	3B	1290nm	black&green
0C	1310nm	black&red	3C	1310nm	black&red
0D	1330nm	black&blue	3D	1330nm	black&blue
0E	1350nm	black&orange	3E	1350nm	black&orange
0F	1370nm	pink&orange	3F	1370nm	pink&orange
0G	1390nm	blue&brown	3G	1390nm	blue&brown
0H	1410nm	red&brown	3H	1410nm	red&brown
0J	1430nm	green&brown	3J	1430nm	green&brown
0K	1450nm	brown&pink	3K	1450nm	brown&pink
0L	1470nm	red&pink	3L	1470nm	red&pink
0M	1490nm	green&red	3M	1490nm	green&red
0N	1510nm	green&pink	3N	1510nm	green&pink
0P	1530nm	green&orange	3P	1530nm	green&orange
0Q	1550nm	blue&red	3Q	1550nm	blue&red
0R	1570nm	blue&green	3R	1570nm	blue&green
0S	1590nm	blue&orange	3S	1590nm	blue&orange
0T	1610nm	blue&pink	3T	1610nm	blue&pink

Table2

Magentic Ring		
Wavelength	Mark dots	Wavelength mark
1270nm	Laser Mark	27
1290nm	Laser Mark	29
1310nm	Laser Mark	31
1330nm	Laser Mark	33
1350nm	Laser Mark	35
1370nm	Laser Mark	37
1390nm	Laser Mark	39
1410nm	Laser Mark	41
1430nm	Laser Mark	43

1450nm	Laser Mark	45
1470nm	Laser Mark	47
1490nm	Laser Mark	49
1510nm	Laser Mark	51
1530nm	Laser Mark	53
1550nm	Laser Mark	55
1570nm	Laser Mark	57
1590nm	Laser Mark	59
1610nm	Laser Mark	61
1577nm	Laser Mark	77