

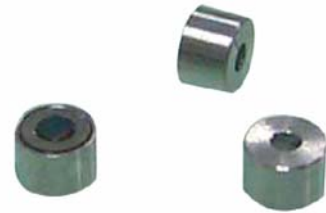
Free Space Isolator

Features

- Low Insertion Loss
- High Isolation
- Environmentally Stable

Applications

- CATV
- EDFA
- Tunable Laser



Performance Specifications

Parameters		Single Stage		Dual stage		Single Stage		Dual stage		Unit
Operating Wavelength		1310				1550				nm
Grade		P	A	P	A	P	A	P	A	
Peak Isolation(23°C)		45	42	60	55	45	42	60	55	dB
Isolation($\lambda_c, 23^\circ\text{C}$)		≥ 40	≥ 38	≥ 50	≥ 45	≥ 42	≥ 40	≥ 50	≥ 45	dB
Isolation($\lambda_c \pm 20\text{nm}, -5 \sim 70^\circ\text{C}$)		≥ 20	≥ 18	≥ 36	≥ 30	≥ 21	≥ 19	≥ 38	≥ 32	dB
Isolation($\lambda_c \pm 20\text{nm}, 23^\circ\text{C}$)		≥ 28	≥ 26	≥ 45	≥ 42	≥ 30	≥ 28	≥ 45	≥ 42	dB
Insertion Loss(Typical) (23°C)		0.15	0.2	0.25	0.3	0.15	0.2	0.25	0.3	dB
Insertion Loss(23°C)		≤ 0.2	≤ 0.3	≤ 0.4	≤ 0.5	≤ 0.2	≤ 0.3	≤ 0.4	≤ 0.5	dB
Aperture Size		0.6/0.9				0.6/0.9				mm
Power Handling		1000				1000				mW
Operating Temperature		-5~70				-5~70				°C
Storage Temperature		-40~85				-40~85				°C
Package	Free space isolator	$\Phi 2.5 \times 2.0$		$\Phi 3.0 \times 2.5$		$\Phi 2.5 \times 2.0$		$\Phi 3.0 \times 2.5$		mm
		$\Phi 3.0 \times 2.0$		$\Phi 2.5 \times 2.5$		$\Phi 3.0 \times 2.0$		$\Phi 2.5 \times 2.5$		
Dimension*	Pigtail free space isolator	$\Phi 2.5 \times 14$		$\Phi 2.5 \times 14$		$\Phi 2.5 \times 14$		$\Phi 2.5 \times 14$		mm
		$\Phi 2.5 \times 10$		$\Phi 2.5 \times 10$		$\Phi 2.5 \times 10$		$\Phi 2.5 \times 10$		

* Other dimensions are also available upon request

Mechanical Dimensions(mm)

