

Free Space Isolator

Features:

- Low Insertion Loss
- High Isolation
- Environmentally Stable

Applications:

CATV
EDFA
Tunable Laser

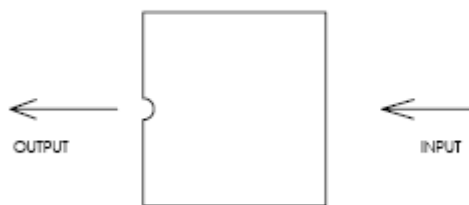
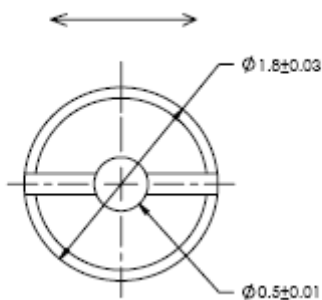


Performance Specifications:

Parameters	Single Stage			Dual stage		Unit
Operating Wavelength	1310-1610					nm
Grade	P		A	P	A	
Peak Isolation(23℃)	45		42	60	55	dB
Isolation(λ_c ,23℃)	≥ 40		≥ 38	≥ 50	≥ 45	dB
Isolation($\lambda_c\pm 20\text{nm}$, -5~70℃)	≥ 20		≥ 18	≥ 36	≥ 30	dB
Isolation($\lambda_c\pm 20\text{nm}$, 23℃)	≥ 28		≥ 26	≥ 45	≥ 42	dB
Insertion Loss(Typical) (23℃)	0.15		0.2	0.25	0.3	dB
Insertion Loss(23℃)	≤ 0.2		≤ 0.3	≤ 0.4	≤ 0.5	dB
Aperture Size	0.5~0.9					mm
Power Handling	500					mW
Operating Temperature	-5~70					℃
Storage Temperature	-40~85					℃
Package Dimension*	$\Phi 2.5\times 2.0$	$\Phi 2.5\times 1.4$	$\Phi 3.0\times 1.4$	$\Phi 3.0\times 3.0$		mm
	$\Phi 3.0\times 2.0$	$\Phi 2.1\times 1.25$		$\Phi 2.5\times 2.5$		

* Other dimensions are also available upon request

INPUT OF POLARIZATION DIRECTION



Parameters	Single Stage		Dual stage		Unit
Operating Wavelength	1550				nm
Grade	P	A	P	A	
Peak Isolation(23℃)	45	42	60	55	dB
Isolation(λ_c ,23℃)	≥42	≥40	≥50	≥45	dB
Isolation(λ_c ±20nm, -5~70℃)	≥21	≥19	≥38	≥32	dB
Isolation(λ_c ±20nm, 23℃)	≥30	≥28	≥45	≥42	dB
Insertion Loss(Typical) (23℃)	0.15	0.2	0.25	0.3	dB
Insertion Loss(23℃)	≤0.2	≤0.3	≤0.4	≤0.5	dB
Aperture Size	0.5~0.9				mm
Power Handling	500				mW
Operating Temperature	-5~70				℃
Storage Temperature	-40~85				℃
Package Dimension*	Φ2.5×1.4		Φ3.0×3.0		mm
	Φ2.5×2.0		Φ2.5×2.5		

* Other dimensions are also available upon request

Mechanical Dimensions(mm)

