

Free Space Isolator

Description:

This device is a directional component, with a compact size. Its center wave length can be adjusted follow customer request, it can be used for fiber optical module, EDFA, Laser, And communication systems. V.TORCH is a company professional in passive optical components manufacture, we are Committed to provide the excellent products to customers

Features:

1. High isolation & Low insertion
2. Compact size
3. Optical path epoxy free
4. RoHS6 Complain
5. Bi-direction communication

Application:

1. EDFA

2. Fiber optical lasers
3. Optical transmitter & transceivers
4. Dispersion compensation

Performance:

Parameter	Specification			
Single/Dual	Stage Single		Dual	
Center wavelength（nm）	1310	1550	1310	1550
Peak Isolation（@23℃）	42	42	55	55
Isolation（@23℃）	38	40	50	50
Min Isolation（λc±20nm,-5~70℃）（dB）	25	26	36	38
Min Isolation（λc±20nm,23℃）（dB）	28	30	44	46
Insertion Loss（Typical,23℃）（dB）	0.20	0.20	0.30	0.30
Insertion Loss（Maximum,23℃）（dB）	0.3	0.3	0.5	0.5
Return Loss (Minimum,23℃)	50			
Aperture Size（mm）	0.85		0.65	
Operating Temperature（℃）	-40~85			
Storage Temperature（℃）	-40~100			
Packaging Size（mm）(D*L)	Single Stage:2.5*1.4		Dual Stage:2.5*2.0	

Notes:

1. Center Wavelength: Follow customer request.
2. Packaging Size: For special size, follow customer request, and it is based on the size Diameter $\geq 2.4\text{mm}$, Length $\geq 1.4\text{mm}$.