

Mini Size Polarization Insensitive Isolator (1310, 1550nm)

Features

Wide Operating Wavelength
High isolation & Low insertion loss& Low PDL
Epoxy-Free in Optical Path
Polarization Insensitive

Applications

EDFA
Transmitters & Fiber Laser
WDM & DWDM System
Testing instruments

Specifications



Parameters	Unit	Single Stage	Dual Stage
Operating Wavelength	nm	1310, 1550	
Bandwidth	dB	±20	
Peak isolation	dB	40	52
Isolation ($\lambda_c, -5 \sim +70^\circ\text{C}$ all sop)	dB	≥ 28	≥ 42
Typ. IL ($\lambda_c, 23^\circ\text{C}$ all sop)	dB	0.4	0.5
Insertion Loss ($\lambda_c, -20 \sim +70^\circ\text{C}$ all sop)	dB	≤ 0.5	≤ 0.6
PDL at 23°C	dB	≤ 0.05	≤ 0.1
PMD	ps	≤ 0.2	≤ 0.05
Return Loss	dB	$\geq 60/55$	$\geq 60/55$
Fiber Type	-	SMF-28e	
Max Power Handling CW	mW	500	
Operating Temperature	$^\circ\text{C}$	$-0 \sim +75$	
Storage Temperature	$^\circ\text{C}$	$-40 \sim +85$	
Dimensions	mm	$\phi 5.5 \times L35$	

*For devices with connectors, IL+0.3dB, RL-5dB.

Package Information

Fiber Length	1m, others on request
Pigtail Type	250 μm Bare Fiber
Dimensions(mm)	$\phi 2.5 \times 25$, $\phi 3 \times 22$, $\phi 3 \times 25$, $\phi 3 \times 30$
Approx Weight (g)	35



