



Key Features

- Low insertion loss
- High isolation
- Compact package

Applications

- Long-haul telecommunication
- CATV systems & Laser industry
- High speed network



Circulator/ Isolator/ Hybrid Optical Isolators

Parameter Specifications

Parameters	Single Stage	Dual Stage	Units
Isolation (wavelength \pm 20nm, 23°C)	≥ 30	≥ 45	dB
Isolation (wavelength \pm 20nm, 0 ~ 70°C)	≥ 22	≥ 32	dB
Insertion Loss (wavelength + 20nm, 23°C)	≤ 0.3	≤ 0.4	dB
Insertion Loss (wavelength + 20nm, 0 ~ 70°C)	≤ 0.5	≤ 0.6	dB
Polarization Dependent Loss	≤ 0.1	≤ 0.1	dB
Polarization Mode Dispersion	≤ 0.25	≤ 0.05	ps
Return Loss	≥ 50	≥ 55	dB
Operating Wavelength Range	1310/1480/1550/1600 (+/-20nm)		nm
Maximum Optical Power	500		mw
Fiber Type	SMF-28e ⁺		
Dimension	Regular, Bare Fiber	$\phi 5.5 \times 30.5$	mm
	Mini, Bare Fiber	$\phi 3 \times 28$	

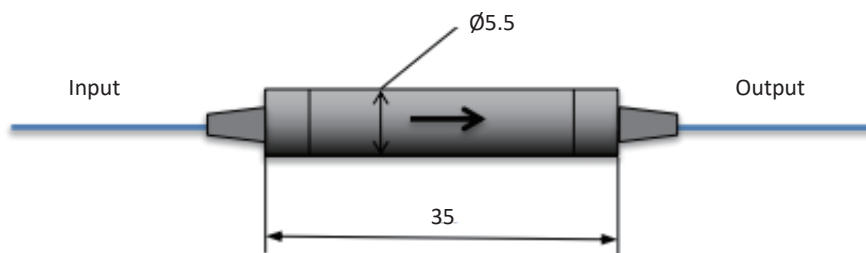
Notes:

- The above spec values do not include connector; each pair of connector adds 0.2dB.

Operating Conditions

Parameters	Performance Specifications	Units
Maximum Power handling	500	mW
Operating Temperature	-5 ~ +70	°C
Storage Temperature	-40 ~ +85	°C
Operation Humidity	5 to 95 % Relative Humidity	

Mechanical Dimensions



Unit: mm

Part Number Scheme: Isolator



Wavelength
 1310 = 1290–1330 nm
 1550 = 1530–1570 nm
 1600 = 1565–1610 nm

Wideband
 1516 = 1530–1610 nm
 1415 = 1460–1570 nm

Stage
 S = Single
 D = Dual

Fiber Type
 1 = SMF-28e+
 2 = XB(G657.A1)

Package Type
 N = Standard
 M = Mini

Jacket Type
 A = 250 μm
 B = 900 μm

Fiber Length
 10 = 1.0 m
 15 = 1.5 m
 30 = 3.0 m
 mn = m.n meters

Connector Type

0 = None	M = MTP 12P
2 = FC/UPC	N = MTP 24P
3 = FC/APC	O = MPO 12P
4 = SC/UPC	P = MPO 24P
5 = SC/APC	H = MU/UPC
6 = ST/UPC	X = Customized
7 = LC/UPC	
8 = LC/APC	