

Single/Dual Stage Optical Isolator

The AOC Single/Dual Stage Isolator minimizes back reflection and back scattering in the reverse direction for any state of polarization. The product features excellent optical characteristics and superior environmental stability. The devices are Telcordia GR-1221-CORE qualification tested.



Features

- High isolation
- Low insertion loss
- Low polarization sensitivity
- High stability and excellent reliability
- Epoxy-free optical path
- Low PMD

Applications

- EDFA
- Fiber optic system testing
- Fiber optic LAN systems
- Telecommunication systems

Specifications

Parameter	Unit	Single//Dual Stage	Single//Dual Stage
		Premium Grade	A Grade
Operating wavelength	nm	1310±15, 1480±15, 1550 ± 20	
Isolation ($\lambda_c \pm 15$ @23 C, SOP)	dB	30//46	30//46
Max. IL (typ.) ($\lambda_c \pm 15$ @0~60 C, SOP)	dB	0.5//0.6	0.6//0.7
Return Loss (Input/Output)	dB	≥ 60//60	≥ 60//55
Polarization Dependent Loss	dB	≤ 0.15	≤ 0.15
Operating Temperature	°C	-10 ~ +65	
Storage Temperature	°C	-40 ~ +85	
Max. Power	mW	500	
Polarization Mode Dispersion	ps	≤ 0.2//0.05	≤ 0.2//0.05
Package Dimensions	mm	Φ5.5x34	

All insertion loss without connector

Ordering Information

ISO-	□	□	□	□	□	□	Connector: LC, SC, FC, MU / uPC, APC
							Fiber length (m) / Package type: 1: 1m, L for LGX Box
							Fiber Type: 025:0.25nm, 09:0.90nm, or others
							Grade: P: Premium; A: Grade A
							Wavelength: 131: 1310nm, 155: 1550nm or Others
							Type: PIS: Polarization Independent, Single Stage PID: Polarization Independent, Dual Stage