

PASSIVE COMPONENTS

General Optical Circulator

C+L band optical circulator with 40 dB isolation and 0.9 dB insertion loss.



Key Features

- Covers both C and L bands
- Isolation ≥ 40 dB
- Insertion loss ≤ 0.9 dB
- ± 30 nm bandwidth

Applications

- Bidirectional transmission on a single fiber
- OTDR and reflectometry front ends
- Fiber sensing interrogators
- Add/drop and amplifier subsystems

Overview

A circulator routes light from port 1 to port 2, and anything returning into port 2 out through port 3. That one-way rotation is what lets a single fiber carry traffic in both directions, or lets an interrogator separate a returning reflection from the outgoing probe.

This is the general-purpose model, covering both C and L bands with ± 30 nm of bandwidth, 40 dB of isolation and 0.9 dB insertion loss at 23 °C.

Specifications

Optical Performance

PARAMETER	VALUE	UNIT	CONDITIONS
Operating Wavelength	C and L band		Bandwidth ± 30 nm
Isolation	≥ 40	dB	
Insertion Loss	≤ 0.9	dB	23 °C

Order or request a quote

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