

PASSIVE COMPONENTS

780–1064nm High-Power PM Optical Circulator

High-power polarization-maintaining circulator covering 780, 850, 980, 1030 and 1064 nm.



Key Features

- Polarization-maintaining across all three ports
- Rated for high optical power
- Covers 780, 850, 980, 1030 and 1064 nm
- Isolation ≥ 22 dB
- Insertion loss ≤ 1.5 dB

Applications

- Fiber laser and amplifier subsystems
- Quantum optics and atomic physics setups
- Polarization-sensitive sensing interrogators
- Near-infrared LIDAR

Overview

A polarization-maintaining circulator for the near-infrared wavelengths used by fiber lasers, pump sources and quantum optics setups — 780, 850, 980, 1030 and 1064 nm, each with ± 5 nm of bandwidth.

PM construction preserves linear polarization through all three ports, which matters when the circulator feeds an interferometer or a polarization-sensitive detector. Isolation is 22 dB or better with insertion loss within 1.5 dB at 23 °C.

Specifications

Optical Performance

PARAMETER	VALUE	UNIT	CONDITIONS
Operating Wavelength	780 / 850 / 980 / 1030 / 1064	nm	Bandwidth ± 5 nm
Isolation	≥ 22	dB	23 °C
Insertion Loss	≤ 1.5	dB	23 °C

Order or request a quote

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Specifications are subject to change without notice and do not constitute a warranty. Confirm all parameters with Lightwit Photonics sales before ordering.