

# **Polarization Insensitive Optical Circulator**

#### FEATURES:

- High isolation
- Low insertion loss
- Small rugged package

#### **APPLICATIONS:**

- ➤ EDFA
- Communications systems
- Optical fiber sensors
- > Optical test instrumentation

The Phoenix polarization insensitive circulator is a micro-optic device offering high reliability and excellent optical performance. The device's high isolation properties make it ideal for applications in telecommunications, fiber optic sensing, bio-medical, and photonics research.

SPECIFICATION		1x2		2x2
Operating wavelength	nm	1064 ±5	1310 or 1550 ±20	
Insertion loss(1 to 2, 2 to 3, 3 to 4)	dB	2	0.8	1
PDL	dB	0.2	0.1	0.15
PMD	ps	0.1	0.06	
Isolation	dB	23	40	
Directivity	dB	45	50	
Return loss	dB	50	45	
Power handling	mW	300		
Fibre type		Corning HI 1060	SMF-28e	
Operating temperature	°C	-5 to +50	-5 to +70	
Storage temperature	°C	-40 to +85		
Dimensions	mm	L34 x W8.4 x H8.4	ф5.5 x L50	ф5.5 x L68

### φ 5.5mm PACKAGE STYLE: \* different packaging style for 1064nm device 50mm 70mm PRODUCT ORDERING INFORMATION: **PCIR** In/out connectors: e.g. FC/APC Fibre type: 0 = SMF-28e Operating Wavelength: Cable diameter: Port: 10 = 1064nm 13 = 1310nm 1 = 1x2 $0 = 250 \mu m$ 1 = HI1060 2 = 2x2 $1 = 900 \mu m$ 15 = 1550nm

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