1030nm PM Fiber Isolator

Fiber Isolators for Pulsed laser applications

FEATURES:

- Up to 20W power handling
- High isolation figure
- HI1060 or PM LMA Fibers

APPLICATIONS:

- Pulsed fiber lasers
- Pump diodes shielding
- R&D/instrumentation

Fiberlogix develops 1030nm High Power Isolator for laser applications. The isolator is designed to handle 20W optical power at 1030 nm wavelength. These isolators are characterized by low insertion loss, low PDL and high return loss figures.

The 1030 nm based Isolator is a key asset in the growing market Yb-doped fiber lasers, for protection against back reflections. With its low insersion loss, the isolator can fit into pulsed laser system, providing an excellent protection of pump and amplifiers.

SPECIFICATIONS

Parameter	Units	Values
Center wavelength (λc)	nm	1030 nm
Operating Wavelength Range	Nm	±10
Typ. Peak Isolation	dB	32~40
Min. Isolation at 23 °C	dB	26
Typ. Insertion Loss	dB	0.6
Max. Insertion Loss at 23 °C, λc	-	1.0
Min. Return Loss (Port1/Port2)	dB	50/50
Max. Tensile Load	N	5
Min. Extinction Ratio	dB	22
Min. Extinction Ratio for LMA	dB	18
Max. Optical Power (CW)	W	20
Fiber type		LMA Fibers. Liekky Passive 25/250 Clad. NA 0.07
Operating Temperature	°C	-5 to +50
Storage Temperature	°C	-20 to +75

Fiber Optic Components

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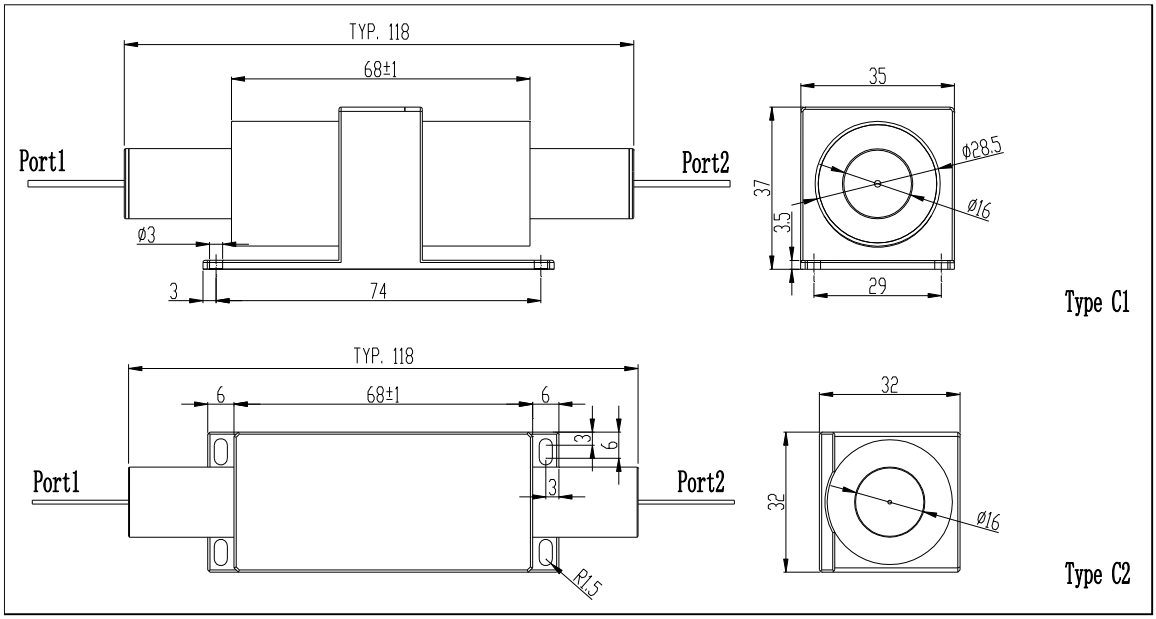
Package Dimensions



ORDERING INFORMATION

Part No: FL-HPMI-03-C2-0.3-F-NN-LL-0.8
Also specify the Fiber Type with the part no.

Wavelength: 1030nm. Package Type: C2. Power Handling: 20W.
900um Loose Tube. Fiber Length: 0.8m. Fast axis blocked.

Fiberlogix

Ashley House, Vale Industrial Park, Tolpits Lane, Watford, Herts WD18 9QP, United Kingdom
Tel: +44 (0)1923 777 766 Fax: +44 (0)1923 777 100 Email: sales@fiberlogix.com Web: www.fiberlogix.com