Fiber Optic Components

Fiber Optic Collimator

Fiber-to-Free Space

For High Power Polarization Maintaining Fiber with Band Pass Filter

FEATURES:

- High power handling
- Broad wavelength range

APPLICATIONS:

- Fiber laser systems
- High power laser systems

Fiberlogix develops these collimators for industrial fiber lasers with capability to handle high power. High degree of customization is possible;

SPECIFICATIONS

Parameter	Unit	FLPMCBP
Operating wavelength	nm	1064
Operating Wavelength range	nm	± 0.5 nm
Nominal Output Beam Diameter(1/e^2)	mm	~0.5
Base Bandwidth @ -0.5dB	nm	2
Min. Isolation at 23°C	dB	25
Typ. Peak Isolation	dB	35
Wavelength suppression (1000-1054 & 1074- 1120nm)	dB	25
Working Distance(free space o/p)	mm	200
Max. Insertion Loss(free space o/p)	dB	0.50
Typ. Insertion Loss(free space o/p)	dB	0.30
Min. Extinction Ratio	dB	20
Max. Optical Power Average	W	12
Max. Peak Power for 300 Ps pulse	KW	100
Min. Return Loss	dB	55
Max. Tesile Load	N	5
Fiber Type	-	Nufern PLMA-GDF-25/250
Outer Package Material		Stainless Steel & Aluminum
Storage Temperature	° C	-40 to +85
Operating Temperature	° C	-5 to +70

Fiberlogix Intl Limited

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

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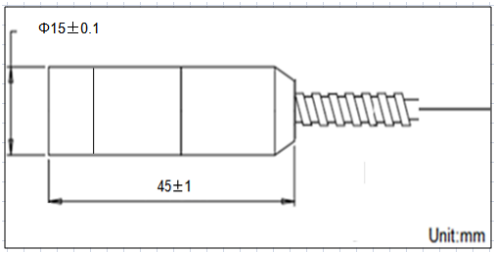
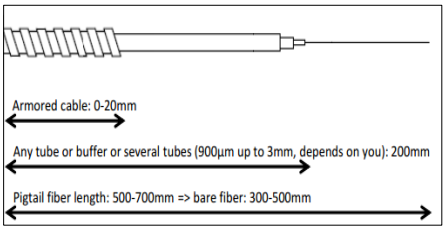
Package Dimensions For FLHPMCBP Model





ORDERING INFORMATION

	FLHPMCBP – 06 – C – 0.5
FLHPMCBP	Large Beam Collimator 1064+/- 0.5nm 3mm armored cable. 12W Nufern FUD-3395 PLMA-GDF-25/250. NA 0.06 0.5m Fiber Length. Aluminum Package.

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