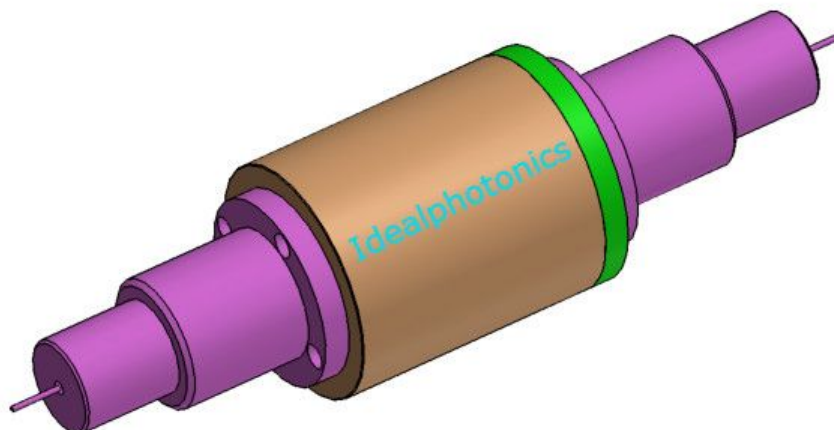


High Power In-line Isolator, PH(M)IIT



PH(M)IIT

Description

The high power isolator series includes in-line type, beam expanded isolator, fiber in and free space out isolator and free space isolator etc., They're characterized with low insertion loss, high isolation, high power handling, high return loss, excellent environmental stability and reliability. They are ideal for fiber laser and instrumentation Applications.

Feature

- High isolation and low insertion loss
- PM and Non-PM are available
- Excellent environmental stability and reliability
- Fiber can be customized

Application

- Fiber Laser
- Fiber Sensor

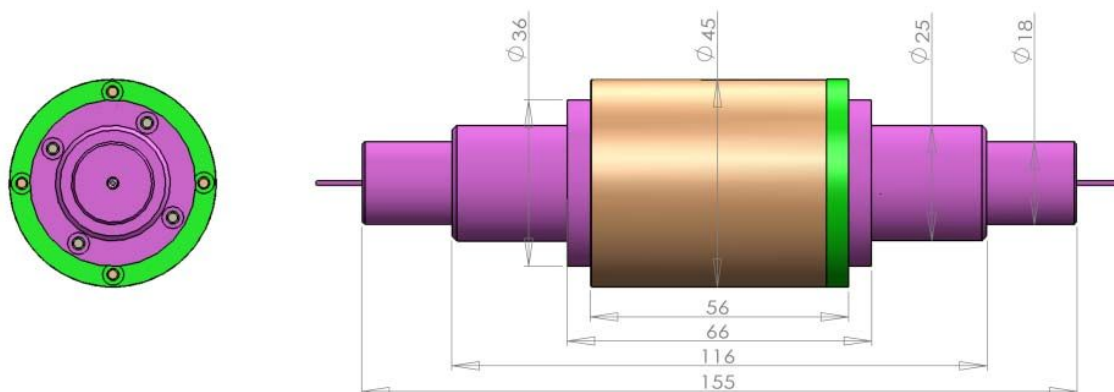
Specification

Type Parameter	High power in-line isolator, PH(M)IIT	
	Non-PM isolator	PM
Operating wavelength(nm)	1064±5	
Peak isolation (dB)	35	
Isolation in band at	≥2	
Insertion loss at 23℃(dB)	≤1.	
Polarization dependent loss	≤0.1	/
Extinction ratio (dB)	/	≥18 (Type B) , ≥20 (Type F)
Return loss (dB)	≥5	

Fiber type (can be customized)		HI1060, x/125, x/250, etc. (x=10um, 15um, 20um, 30um, etc.)	PM980, PM x/125, x/250, etc. (x=10um, 15um, 20um, 30um, etc.)
Power handling	Average (W)	2~20, higher on demand	
	Pulse peak(KW)	10, higher on demand	
Dimensions (ϕ x L mm)		ϕ 45 x L155	

- * Both single cladding fiber (SCF) and double cladding fiber (DCF) are available.
- * Type B: Both axis working, Type F: Fast axis blocked.
- * Power Handling total power=Forward power + Backward power

Package Dimensions



Ordering information

PH(M)IIT-XXXX-X-X-X(XX)-X-XX*XX-X

- Fiber length
- Package size: ϕ 45 x L155mm
- Average power handling: 1=1W, 2=2W, 5=5W, 10=10W, 20=20W etc.
- Power condition: C=Continue Wave, P(10)=Pulse Peak Power(10KW), etc.
- Fiber type: Hi1060, PM 980, 20/125 SCF, 20/125 DCF, etc.
- Pigtail diameter: 0=bare fiber, 1=900 μ m, 2=2mm, 3=3mm
- Operating wavelength: 1064nm etc.
- PHMIIT(PM type), PHIIT(Non-PM type)