

1053nm High Power PM Fiber Optic Isolator

1053nm High Power PM Fiber Optic Isolator is a fiber passive component built with TGG crystal, it allows light signal to be delivered in one forward direction and avoid the back reflection light, it's widely used in amplifier system, fiber optic sensor system to protect the light source and lower down the optical signal noise. If need pulse type please contact us to confirm.

Application:

Fiber Optic Amplifier
Fiber Optic Sensor
Fiber Laser
Lab & Research

Features:

High Power
High Isolation
Low Insertion Loss
High Reliability



Specification:

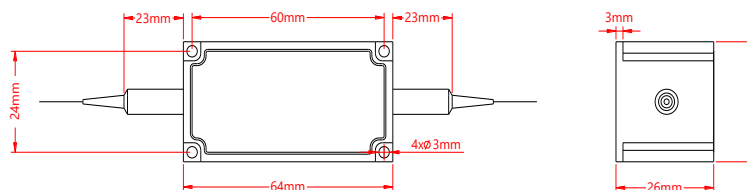
Parameter	Symbol	Value	Unit
Center Wavelength	λ	1053	nm
Bandwidth	BW	± 5	nm
Typ. Insertion Loss	IL	0.8	dB
Max. Insertion Loss	IL	1.0	dB
Typ. Peak Isolation	Iso	32	dB
Min. Isolation	Iso	25	dB
Min. Extinction Ratio	ER	20	dB
Min. Return Loss	RL	45	dB
Max. Optical Power (CW)	P	1, 3, 5, 10, 20 or specify	W
Max. Peak Power	P	5, 10, 20 or specify	KW
Max. Tensile Load		5	N
Fiber Type		PM Panda Fiber	-
Operating Temperature	T	+10~50	°C
Storage Temperature	T	0~60	°C
Package Dimension		64x28x26	mm

Notice: Above specifications are tested at center wavelength without connector in room temperature @23°C.

For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower. ER will be 2dB lower.

Slow axis is default aligned to the connector key. Connectors only 1W CW optical power guarantee.

Drawing:



Ordering Information (Part Number):

HPMISO-**WWW-A-HH-J-LL-CC**

WWW	A	HH	J	LL	CC
Wavelength	Working Axis	Handling Power	Fiber Jacket	Fiber Length	Connector
1020 - 1020nm	F - Fast axis Blocked Slow Axis working	01 - 1W	B - 250um Bare Fiber	05 - 0.5m	NE - None
1030 - 1030nm		03 - 3W	9 - 900um Loose Tube	10 - 1.0m	FA - FC/APC
1040 - 1040nm	B - Both Axes Working	05 - 5W	2 - 2mm Loose Tube	15 - 1.5m	FU - FC/UPC
1050 - 1050nm		10 - 10W	3 - 3mm Loose Tube	20 - 2.0m	SA - SC/APC
1053 - 1053nm		20 - 20W		SS - Specify	SU - SU/APC
1060 - 1060nm		SS - Specify			LA - LC/APC
1064 - 1064nm					LU - LC/UPC
1080 - 1080nm					SS - Specify
SSSS - Specify					