

830nm High Power Multimode Fiber Optic Isolator

830nm High Power Multimode 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 Quantum Communication, Fiber Optic Sensor system to protect the light source and lower down the system optical signal noise. If need pulse type please contact us to confirm.

Application:

Quantum Communication
Fiber Optic Sensor
Fiber Laser
Lab & Research

Features:

High Isolation
High Power
Low Insertion Loss
High Reliability



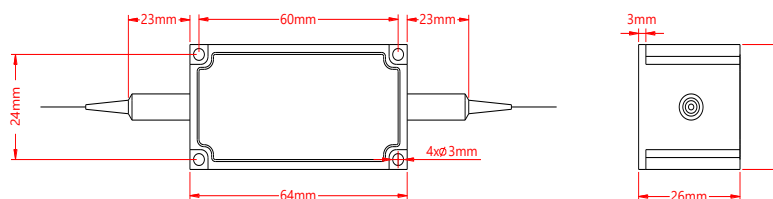
Specification:

Parameter	Symbol	Value	Unit
Center Wavelength	λ	830	nm
Bandwidth	BW	± 5	nm
Typ. Insertion Loss	IL	1.0	dB
Max. Insertion Loss	IL	1.2	dB
Typ. Peak Isolation	Iso	32	dB
Min. Isolation	Iso	25	dB
Min. Return Loss	RL	35	dB
Max. Optical Power (CW)	P	1, 3, 5, 10, 20 or customized	W
Max. Peak Power	P	5, 10 or customized	kW
Max. Tensile Load		5	N
Fiber Type		50/125, 62.5/125, 105/125 MM 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. Connectors only 1W CW guarantee.

Drawing:



Ordering Information (Part Number):

HMMISO-WWW-HH-FF-S-J-LL-CC					
WWW	HH	FF	J	LL	CC
Wavelength	Handling Power	Fiber Type	Fiber Jacket	Fiber Length	Connector
830 - 830nm	01 - 1W	M5 - 50/125um	B - 250um Bare Fiber	05 - 0.5m	NE - None
835 - 835nm	03 - 3W	M6 - 62.5/125um	9 - 900um Loose Tube	10 - 1.0m	FA - FC/APC
850 - 850nm	05 - 5W	M1 - 105/125um		15 - 1.5m	FU - FC/UPC
SSS - Specify	10 - 10W	SS - Specify		20 - 2.0m	SA - SC/APC
	20 - 20W			SS - Specify	SU - SU/APC
	SS - Specify				LA - LC/APC
					LU - LC/UPC
					SS - Specify