

830nm Multimode Fiber Optic Isolator

830nm 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 system, fiber optic sensor system to protect the light source and lower down the system optical signal noise. The high power type is available upon request.

Application:

Quantum
Communication
Fiber Optic Sensor
Fiber Laser

Features

High Isolation
Multimode
Low Insertion Loss
High Reliability



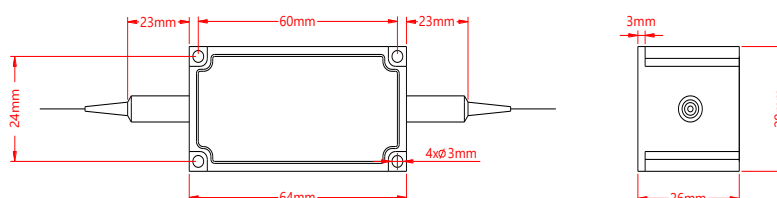
Specification:

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	500 or customized	mW
Max. Tensile Load		5	N
Fiber Type		50/125 or 62.5/125 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.

Drawing:



Ordering Information (Part Number):

MMISO-**WWW-HH-FF-J-LL-CC**

WWW	HH	FF	J	LL	CC
Wavelength	Handling Power	Fiber Type	Fiber Jacket	Fiber Length	Connector
830 - 830nm	Z5 - 0.5W	M5 - 50/125 MM fiber	B - 250um Bare Fiber	05 - 0.5m	NE - None
835 - 835nm	SS - Specify	M6 - 62.5/125 MM fiber	9 - 900um Loose Tube	10 - 1.0m	FA - FC/APC
850 - 850nm		M1 - 105/125 MM fiber	2 - 2mm Loose Tube	15 - 1.5m	FU - FC/UPC
SSS - Specify		SS - Specify	3 - 3mm Loose Tube	20 - 2.0m	SA - SC/APC
				SS - Specify	SU - SU/APC
					LA - LC/APC
					LU - LC/UPC
					SS - Specify