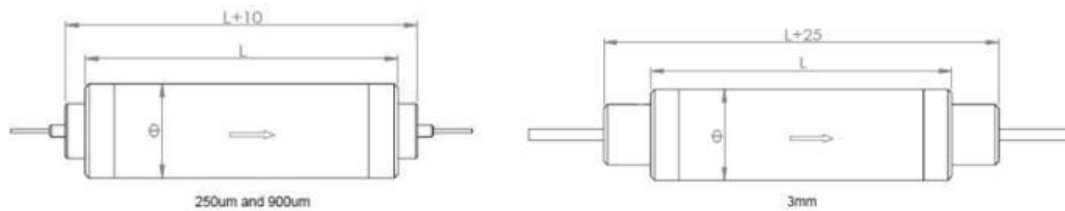


850nm TGG SM Isolator



- **Product Description**

Isolators, TGG technology; fiber coupled free space; custom solutions available

- **Product features**

TGG Technology、Fiber coupled free space、Customized solutions available

- **Part Number**

MP-ISO-F-850-A-SA-1

● Application area

Fiber lasers、 Fiber optic sensors

● Core parameters

Wavelength	Max.Optical Power	Min.Isolation	Connector
850nm	150mW	24dB	FC/APC

● General Parameters

Main Parameters:

Parameter		Unit	532nm	635nm	650nm	780nm	850nm	980nm	1030nm	1060nm
Isolation(23°C,All S OP)	Typ	dB	26	26	26	28	28	30	30	30
	Min	dB	23	23	23	24	24	25	25	25

Insertion loss(All SOP)	Max	dB	2.3	2.0	2.0	1.5	1.5	1.2	1.2	1.2
Polarization Dependent Loss	Max	dB	0.2	0.2	0.2	0.18	0.18	0.15	0.15	0.15
Polarization Mode Dispersion PM D	Max	ps	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Return loss	Min	dB	45	45	45	45	45	45	45	45
Optical power handling	Max	mW	50	100	100	150	150	250	250	250
Packing size	Cylinder	mm	Φ 21x L60	Φ 21x L75	Φ 21x L75	Φ 24x L80	Φ 24x L80	Φ 24x L95	Φ 24xL 95	Φ 24xL 95
Operating temperature	°C	10~50								
Storage temperature	°C	0~60								

The above specifications apply to parts without connectors. Adding connectors

may affect IL, RL PDL

SOP = State of Polarization

Appendix 1: Optional Configuration Table

Optional Configuration							
V	Wavelength	Fiber Type	Tube	Pigtail Length	Connector	Max. Optical Power*(optional)	Package(optional)
VIS	532=532nm	S=Single - Mode	B=250um	10=1.0m	FA=FC/APC	X=Others	X=Others
	635=635nm	X=Others	L=900um	15=1.5m	FC=FC/PC		
	650=650nm		H=3mm	20=2.0m	SA=SC/APC		

780=7 80nm			30=3. 0m	SC=S C/PC		
850=8 50nm			X=Ot hers	ST=ST/P C		
980=9 80nm				LA=L C/AP C		
1030=1 030nm				LC=LC/P C		
1060=1 060nm				X=Others		
X=Others				NE=None		
* Max. power will affect other specifications.						

Appendix 2: Model and Part Number Comparison Table

Part Number	Title	Operating Wavelength	Max. Optical Power	Min. Isolation	Connector
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MP-ISO-F-532-A-S A-1	532nmTG G Single Mode Isolator	532nm	50mW(option al)	23dB	FC/APC
MP-ISO-F-635-A-S A-1	635nmTG G Single Mode Isolator	635nm	100mW(optio nal)	23dB	FC/APC
MP-ISO-F-650-A-S A-1	650nmTG G Single Mode Isolator	650nm	100mW(optio nal)	23dB	FC/APC
MP-ISO-F-780-A-S A-1	780nmTG G Single Mode Isolator	780nm	150mW(optio nal)	24dB	FC/APC
MP-ISO-F-850-A-S A-1	850nmTG G Single Mode Isolator	850nm	150mW(optio nal)	24dB	FC/APC

MP-ISO-F-980-A-S A-1	980nmTG G Single Mode Isolator	980nm	250mW(optio nal)	25dB	FC/APC
MP-ISO-F-1030-A- SA-1	1030nmT GG Single Mode Isolator	1030nm	250mW(optio nal)	25dB	FC/APC
MP-ISO-F-1060-A- SA-1	1060nmT GG Single Mode Isolator	1060nm	250mW(optio nal)	25dB	FC/APC