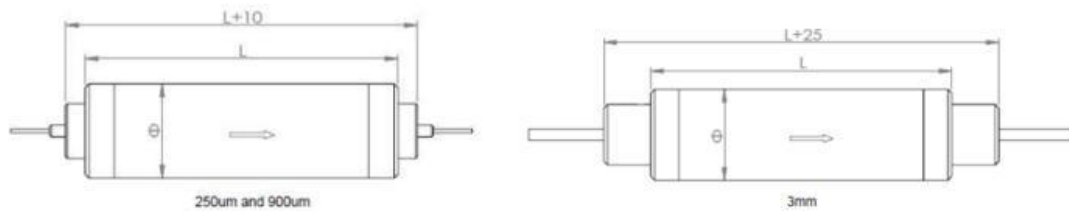


650nm TGG SM Isolator



- **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-650-A-SA-1

● Application area

Fiber lasers、 Fiber optic sensors

● Core parameters

Wavelength	Max.Optical Power	Min.Isolation	Connector
650nm	100mW	23dB	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	d B	2.3	2.0	2.0	1.5	1.5	1.2	1.2	1.2
Polarization Dependent Loss	Max	d B	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	d B	45	45	45	45	45	45	45	45
Optical power handling	Max	m W	50	100	100	150	150	250	250	250
Packing size	Cylin der	m m	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