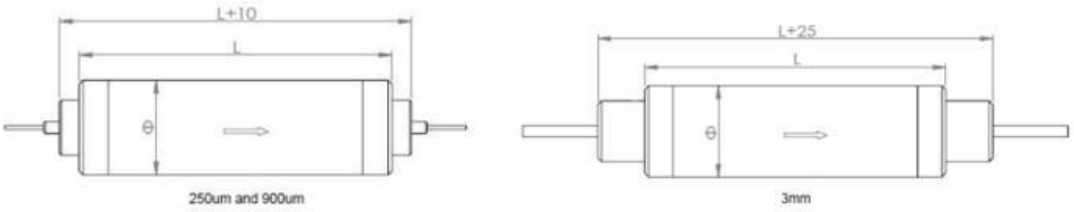
780nm TGG SM Isolator



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-780-A-SA-1

Application area

Fiber lasers、 Fiber optic sensors

Core parameters

Wavelength	Max.Optical Power	Min.Isolation	Connector
780nm	150mW	24dB	FC/APC

General Parameters

Main Parameters:

Parameter		Unit	532 nm	635 nm	650 nm	780 nm	850 nm	980 nm	1030 nm	1060 nm
Isolation(23℃,All SOP)	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	Max	ps	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

PM D										
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		℃	10~50							
Storage temperature		℃	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						
VIS	Wavelength	Fiber Type	Tube	Pigtail Length	Connector	Max. Optical Power*(op	Package(optional)

				h		tional)	
V I S	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=780nm			30=3.0m	SC=SC/PC		
	850=850nm			X=Others	ST=ST/PC		
	980=980nm				LA=LC/APC		
	1030=1030nm				LC=LC/PC		
	1060=1060nm				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
MP-ISO-F-532-A-SA-1	532nmTG Single Mode Isolator	532nm	50mW(optional)	23dB	FC/APC
MP-ISO-F-635-A-SA-1	635nmTG Single Mode Isolator	635nm	100mW(optional)	23dB	FC/APC
MP-ISO-F-650-A-SA-1	650nmTG Single Mode Isolator	650nm	100mW(optional)	23dB	FC/APC

MP-ISO-F-780-A-SA-1	780nmTGG Single Mode Isolator	780nm	150mW(optional)	24dB	FC/APC
MP-ISO-F-850-A-SA-1	850nmTGG Single Mode Isolator	850nm	150mW(optional)	24dB	FC/APC
MP-ISO-F-980-A-SA-1	980nmTGG Single Mode Isolator	980nm	250mW(optional)	25dB	FC/APC
MP-ISO-F-1030-A-SA-1	1030nmTGG Single Mode Isolator	1030nm	250mW(optional)	25dB	FC/APC
MP-ISO-F-1060-A-SA-1	1060nmTGG Single Mode Isolator	1060nm	250mW(optional)	25dB	FC/APC