

Optical (TGG Type) Isolator Array: Three-Channel (405, 532, 635, 650, 780, 850, 980, 1030, 1060nm)

Specifications

Contact Hengyan Photonics with your custom specification needs.

Single Mode			Unit	532nm	635nm	650nm	780nm	850nm	980nm	1030nm	1060nm
Isolation (λ_c) (23°C, All SOP)		Typ.	dB	23			25		27		
		Min	dB	20			21		22		
Insertion Loss (All SOP)		Max	dB	2.3	2.0		1.5		1.2		
PDL		Max	dB	0.2			0.18		0.15		
Return Loss		Min	dB	45							
Optical Power Handling*		Max	mW	50	100		150		250		
Package Dimension	Cylinder	-	mm	Φ24xL80					Φ24xL95		
Operating Temperature			°C	10 to 50							
Storage Temperature			°C	0 to 60							

* The above specifications are for parts without connectors. Adding connectors can affect the IL, RL, & PDL.

* SOP=State Of Polarization

* Optical Power Handling value is for standard parts. Higher values are available.

* Package Dimension is determined by the longest wavelength.

Polarization Maintaining		Unit	405nm	532nm	635nm	650nm	780nm	850nm	980nm	1030nm	1060nm
Isolation (λ_c) (23°C,All SOP)	Typ	dB	21	23			25		27		
	Min	dB	19	20			21		22		
Insertion Loss (Fast Axis Blocked)	Max	dB	3.5	2.0	1.8		1.5		1.2		
Extinction Ratio	Min	dB	16	18			20				
Return Loss	Min	dB	45								
Optical Power Handling*	Max	mW	30	50	100		150		250		
Package Dimension	Cylinder	mm	Φ24xL65						Φ24xL80		
Operating Temperature		℃	10 to 50								
Storage Temperature		℃	0 to 60								

* The above specifications are for parts without connectors. Adding connectors can affect the IL, RL, & ER.

* Connector key is aligned to slow axis.

* Optical Power Handling value is for standard parts. Higher values are available.

* Package Dimension is determined by the longest wavelength.

Multi Mode		Unit	635nm	650nm	780nm	850nm	980nm	1030nm	1060nm
Isolation (λc) (23°C,All SOP)	Typ	dB	23						
	Min	dB	20						
Insertion Loss (All SOP)	Max	dB	1.8		1.5		1.2		
Return Loss	Min	dB	30						
Optical Power Handling*	Max	mW	1000						
Package Dimension	Cylinder	mm	Φ24xL80				Φ24xL95		
Operating Temperature		°C	10 to 50						
Storage Temperature		°C	0 to 60						

* The above specifications are for parts without connectors. Adding connectors can affect the IL, RL, & PDL.

* SOP=State of Polarization

* Optical Power Handling value is for standard parts. Higher values are available.

* Package Dimension is determined by the longest wavelength

Ordering Information

Contact Hengyan Photonics with your custom configuration needs.

VISA	# of Channels	Channel A		Channel B		Channel C (Optional)	
		Wavelength	Type (Fiber)	Wavelength	Type (Fiber)	Wavelength	Type (Fiber)
VISA	2=2	405=405nm	S =Single-Mode	405=405nm	S =Single-Mode	405=405nm	S =Single-Mode
	3=3	532=532nm	PM=Polarization-Maintaining	532=532nm	PM=Polarization-Maintaining	532=532nm	PM=Polarization-Maintaining
		635=635nm		635=635nm		635=635nm	
		650=650nm		650=650nm		650=650nm	
		780=780nm		780=780nm		780=780nm	
		850=850nm	M5=50/125um	850=850nm	M5=50/125um	850=850nm	M5=50/125um
		980=980nm	M6=62.5/125um	980=980nm	M6=62.5/125um	980=980nm	M6=62.5/125um
		1030=1030nm		1030=1030nm		1030=1030nm	
		1060=1060nm		1060=1060nm		1060=1060nm	
		X=Others (400-1100nm)	X=Others	X=Others (400-1100nm)	X=Others	X=Others (400-1100nm)	X=Others

Cable Type	Fiber Length	Connector	Max Power (Optional)*
B=250um	10=1.0m	NE=None	X=Others
L= 900um	15=1.5m	FA=FC/APC	
H=3mm	20=2.0m	FC=FC/PC	
X=Others	30=3.0m	SA=SC/APC	
	X=Others	SC=SC/PC	
		ST=ST/PC	
		LA=LC/APC	
		LC=LC/PC	
		X=Others	

*Max. Power affects other specifications.

Package Dimensions

