

OPTICAL (TGG TYPE) ISOLATOR ARRAY: THREE-CHANNEL (405, 532, 635, 650, 780, 850, 980, 1030, 1060nm)

Features

- Space Savings
- Simplified Magnetic Fields - Prevents mutual interference from having separate devices.
- Select each channel: Wavelength and Type (Single-Mode, Multi-Mode, Polarization-Maintaining.)

Specifications

Contact Ascentta with your custom specification needs.

Single Mode		Unit	532nm	635nm	650nm	780nm	850nm	980nm	1030nm	1060nm	
Isolation (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			
PMD	Max	ps	0.2								
Return Loss	Min	dB	45								
Optical Power Handling*	Max	mW	50	100		150		250			
Package Dimension	Cylinder	*	mm					Φ24xL80			
Operating Temperature			°C								
Storage Temperature			°C								

* 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 (23°C, All SOP)	Typ	dB	21	23			25		27				
	Min	dB	19	20			21		22				
Insertion Loss (Fast Axis Block)	Max	dB	2.3	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			
Operating Temperature			°C										
Storage Temperature			°C										

* 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 (23°C, All SOP)	Typ	dB	23							
	Min	dB	20							
Insertion Loss (All SOP)	Max	dB	1.8		1.5			1.2		
PDL	Max	dB	0.2							
PMD	Max	ps	0.2							
Return Loss	Min	dB	40							
Optical Power Handling*	Max	mW	1000							
Package Dimension	Cylinder	*	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 Ascentta 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	X=Others	1030=1030nm	X=Others	1030=1030nm	X=Others	1030=1030nm	X=Others
1060=1060nm		1060=1060nm		1060=1060nm		1060=1060nm	
		X=Others (400-1100nm)		X=Others (400-1100nm)		X=Others (400-1100nm)	

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	

Package Dimensions



*Max. Power affects other specifications.