

DUAL-CHANNEL (TGG TYPE) CIRCULATOR ARRAY

(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	
Transmitting Direction		-	1→2, 2→3								
Isolation (23°C, All SOP) (2→1, or 3→2)	Typ	dB	23			25		27			
	Min	dB	20			21		22			
Insertion Loss (All SOP) (1→2, or 2→3)	Max	dB	2.5	2.3		1.8		1.5			
PDL	Max	dB	0.2								
PMD	Max	ps	0.2								
Return Loss	Min	dB	45								
Directivity (1→3, or 3→1)	Min	dB	40								
Optical Power Handling*	Max	mW	50	100		150		250			
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.

Polarization Maintaining		Unit	405nm	532nm	635nm	650nm	780nm	850nm	980nm	1030nm	1060nm
Transmitting Direction		-	1→2, 2→3								
Isolation (23°C, All SOP) (2→1, or 3→2)	Typ	dB	21	23			25		27		
	Min	dB	19	20			21		22		
Insertion Loss (Fast Axis Block) (1→2, or 2→3)	Max	dB	2.5	2.3	2.0		1.8		1.5		
Extinction Ratio	Min	dB	16	18			20				
Return Loss	Min	dB	45								
Directivity (1→3, or 3→1)	Min	dB	40								
Optical Power Handling*	Max	mW	30	50	100		150		250		
Package Dimension	Cylinder	*	Φ24xL65						Φ24xL80		
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, & 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	
Transmitting Direction		-	1→2, 2→3							
Isolation (23°C, All SOP) (2→1, or 3→2)	Typ	dB	23							
	Min	dB	20							
Insertion Loss (All SOP) (1→2, or 2→3)	Max	dB	1.8		1.5			1.2		
PDL	Max	dB	0.2							
PMD	Max	ps	0.2							
Return Loss	Min	dB	40							
Directivity (1→3, or 3→1)	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.

VCIRA	# of Channels	Channel A Wavelength	Channel A Type (Fiber)	Channel B Wavelength	Channel B Type (Fiber)	Cable Type	Fiber Length	Connector	Max Power (Optional)*
VCIRA	2=2	405=405nm 532=532nm 635=635nm 650=650nm 780=780nm 850=850nm 980=980nm 1030=1030nm 1060=1060nm X=Others (400-1100nm)	S =Single-Mode PM=Polarization-Maintaining M5=50/125um M6=62.5/125um X=Others	405=405nm 532=532nm 635=635nm 650=650nm 780=780nm 850=850nm 980=980nm 1030=1030nm 1060=1060nm X=Others (400-1100nm)	S =Single-Mode PM=Polarization-Maintaining M5=50/125um M6=62.5/125um X=Others	B=250um L= 900um H=3mm X=Others	10=1.0m 15=1.5m 20=2.0m 30=3.0m X=Others	NE=None FA=FC/APC FC=FC/PC SA=SC/APC SC=SC/PC ST=ST/PC LA=LC/APC LC=LC/PC X=Others	X=Others

* Max Power affects other specifications

Package Dimensions

