

Dual-Channel (TGG Type) Circulator Array

(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
Transmitting Direction		-	1→2, 2→3							
Isolation (23℃,All SOP) (2→1,or 3→2) (λc)	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		
	Max	dB	0.2							
Return Loss	Min	dB	45							
Directivity (1→3)	Min	dB	40							
Optical Power Handling*	Max	mW	50	100		150		250		
Package Dimension	Cylinder	*	mm	Φ24xL80				Φ24xL95		
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, & 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) (λc)	Typ.	dB	21	23			25		27				
	Min	dB	19	20			21		22				
Insertion Loss (Fast Axis Blocked) (1→2, or 2→3)	Max	dB	3.5	2.3	2.0		1.8		1.5				
Extinction Ratio		Min	dB	16	18			20					
Return Loss		Min	dB	45									
Directivity (1→3)		Min	dB	40									
Optical Power Handling*		Max	mW	30	50	100		150		250			
Package Dimension	Cylinder	*	mm	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℃,All SOP) (2→1,or 3→2) (λc)	Typ.	dB	23							
	Min	dB	20							
Insertion Loss (All SOP) (1→2, or 2→3)	Max	dB	1.8		1.5		1.2			
Return Loss	Min	dB	30							
Directivity (1→3)	Min	dB	40							
Optical Power Handling*	Max	mW	1000							
Package Dimension	Cylinder	*	mm	Φ24xL80				Φ24xL95		
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, & 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.

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	S =Single-Mode	405=405nm	S =Single-Mode	B=250um L= 900um H=3mm X=Others	10=1.0m	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
		532=532nm		532=532nm			15=1.5m		
		635=635nm	PM=Polarization-Maintaining	635=635nm	PM=Polarization-Maintaining		20=2.0m		
		650=650nm		650=650nm			30=3.0m		
		780=780nm	M5=50/125um	780=780nm	M5=50/125um		X=Others		
		850=850nm		850=850nm					
		980=980nm	M6=62.5/125um	980=980nm	M6=62.5/125um				
		1030=1030nm		1030=1030nm					
1060=1060nm	X=Others	1060=1060nm	X=Others						
	X=Others (400-1100nm)	X=Others	X=Others (400-1100nm)	X=Others					

* Max Power affects other specifications

Package Dimensions

