

SINGLE-MODE 3-PORT (TGG TYPE) CIRCULATOR (532, 650, 780, 850, 980, 1030, 1053, or 1064nm)

Specifications

Contact Ascentta with your custom specification needs.

Parameter		Unit	532nm	650nm	780nm	850nm	980nm	1030nm	1053nm	1064nm
Bandwidth		nm	±5nm							
Transmitting Direction		-	1→2, 2→3							
Isolation ($\lambda_c, 23^\circ\text{C}$, All SOP) (2→1, or 3→2)	Min	dB	22	22	24	24	26	26	26	26
Insertion Loss (All SOP) (1→2, or 2→3)	Max	dB	2.80	2.80	2.0	2.0	1.50	1.50	1.50	1.50
PDL	Max	dB	0.30	0.3	0.30	0.30	0.30	0.30	0.30	0.30
PMD	Max	ps	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Return Loss	Min	dB	45	45	45	45	45	45	45	45
Directivity (1→3, or 3→1)	Min	dB	40	40	40	40	40	40	40	40
Optical Power Handling	Max	mW	50	100	150	150	250	250	250	250
Package Dimension	Cylinder	mm	Φ21xL80	Φ21xL80	Φ24xL85	Φ24xL85	Φ24xL95	Φ24xL95	Φ24xL95	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

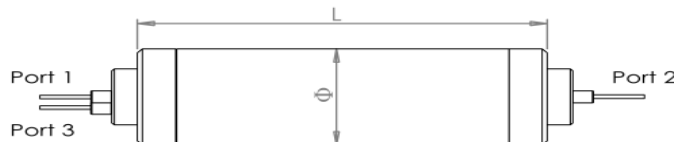
Ordering Information

Contact Ascentta with your custom configuration needs.

VCIR	Port	Wavelength	Fiber Type	Cable Type	Fiber Length	Connector	Max Power*	Package
VCIR	3=3-Port	532=532nm	S=Single-Mode	B=250um	10=1.0m	NE=None	X=Others	Specify
		650=650nm	X=Others	L=900um	15=1.5m	FA=FC/APC		X=Others
		780=780nm		H=3mm	20=2.0m	FC=FC/PC		
		850=850nm		X=Others	30=3.0m	SA=SC/APC		
		980=980nm				SC=SC/PC		
		1030=1030nm				ST=ST/PC		
		1053=1053nm				LA=LC/APC		
		1064=1064nm				LC=LC/PC		
		X=Others				X=Others		

* Max power affects other specifications.

Package Dimensions



Contact Ascentta for all your custom design needs.