

**POLARIZATION-DEPENDENT 3-PORT (TGG TYPE) CIRCULATOR CORE**  
(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°C, All SOP) (2→1, or 3→2)	Min dB	23	23	26	26	28	28	28	28
Insertion Loss (All SOP) (1→2, or 2→3)	Max dB	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Extinction Ratio	Min dB	28	28	28	28	28	28	28	28
Return Loss	Min dB	50	50	50	50	50	50	50	50
Directivity (1→3, or 3→1)	Min dB	40	40	40	40	40	40	40	40
Package Dimension	mm	Φ16xL20	Φ16xL20	Φ16xL30	Φ16xL30	Φ19xL45	Φ19xL45	Φ19xL45	Φ19xL45
Operating Temperature	°C	10 to 50							
Storage Temperature	°C	0 to 60							

**Ordering Information**

Contact Ascentta with your custom configuration needs.

VCIRC	Port	Type	Wavelength	Clear Aperture	Max. Power	Diameter* (Φ)	Length* (L)
VCIRC	3=3-Port	PD=Polarization Dependent	532=532nm	10=1.0mm	03=0.3W	16=16mm	20=20mm
			650=650nm	12=1.2mm	10=1.0W	19=19mm	30=30mm
			780=780nm	15=1.5mm	50=5.0W	X=Others	45=45mm
			850=850nm	18=1.8mm	100=10.0W		
			980=980nm	24=2.4mm	200=20.0W	X=Others	X=Others
			1030=1030nm	25=2.5mm			
			1053=1053nm				
X=Others	X=Others						

\* Refer to diagram. Contact us for: custom specifications, accurate dimensions, and other questions.

**Package Dimensions**

Contact Ascentta for all your custom design needs.