

## POLARIZATION-DEPENDENT 3-PORT (TGG TYPE) CIRCULATOR CORE (532, 635, 650, 780, 850, 980, 1030, 1064nm)

### Specifications

Contact Ascentta with your custom specification needs.

Parameter	Unit	532nm	635nm	650nm	780nm	850nm	980nm	1030nm	1064nm	
Transmitting Direction	-	1→2, 2→3								
Isolation (23°C, All SOP*) (2→1, 3→2)	Typ.	dB	23	23	23	25	25	27	27	27
	Min	dB	20	20	20	21	21	22	22	22
Insertion Loss (23°C, All SOP*) (1→2, 2→3)	Typ.	dB	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3
	Max	dB	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5
Extinction Ratio	Min	dB	28	28	28	28	28	28	28	28
Directivity (1→3, or 3→1)	Min	dB	30	30	30	30	30	30	30	30
Package Dimension   Cylinder	mm	Φ16xL27	Φ16xL33	Φ16xL33	Φ19xL39	Φ19xL39	Φ19xL53	Φ19xL53	Φ19xL53	
Operation Temperature	°C	10 to 50								
Storage Temperature	°C	0 to 60								

\* SOP=State Of Polarization

### Ordering Information

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VCIRC	Port	Type	Wavelength	Clear Aperture	Max. Power	Diameter* (Φ)	Length* (L)
VCIRC	3 = 3-Port	PD=Polarization Dependent	532=532nm	15=1.5mm	03=0.3W	16=16mm	27=27mm
			635=635nm	18=1.8mm	10=1.0W	19=19mm	33=33mm
			650=650nm	23=2.3mm	50=5.0W	X=Others	39=39mm
			780=780nm	25=2.5mm			53=53mm
			850=850nm				
			980=980nm	X=Others	X=Others		X=Others
			1030=1030nm				
			1064=1064nm				
			X=Others				

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

### Package Dimensions

