

2 × 2 Polarization Maintaining Optical Circulator (DL-DPMCIR-VV-W-X-Y-Z)

The 2 × 2 Polarization Maintaining Optical Circulator is a compact, versatile lightwave component that routes incoming signals from Port 1 to Port 2, and incoming Port 2 signals to Port 3. Besides, high isolation, low insertion loss, high extinction ratio, and excellent environment stability are maintained.

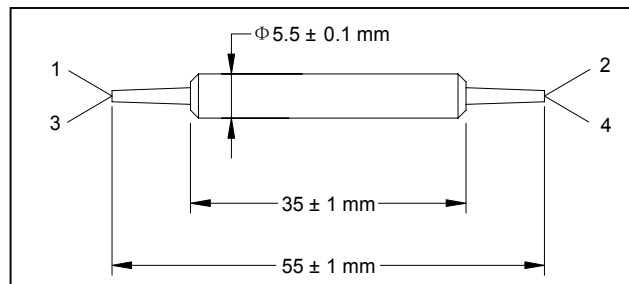
A. Specifications

Parameter	Type A	Type B	Unit
Center Wavelength (λ_c)	1310 or 1550		nm
Operating Wavelength Range	$\lambda_c \pm 30$	$\lambda_c \pm 20$	dB
Typ. Insertion Loss, λ_c , 23 °C,	0.8	0.7	dB
Max. Insertion Loss, all temperature, all wavelength range	1.1	1.0	dB
Peak Isolation	52	40	dB
Typ. Isolation, λ_c , 23 °C	46	30	dB
Min. Isolation, all Wavelength Range, 23 °C	40	22	dB
Min. Extinction Ratio	20	20	dB
Min. Crosstalk (1 → 3, 2 → 4)	50		dB
Min. Return Loss	55		dB
Max. Optical Power (Continuous Wave)	300		mW
Operating Temperature	-5 to +70		°C
Storage Temperature	-40 to +85		°C

*IL is 0.3 dB higher, RL is 5 dB lower, and ER is 2 dB lower for each connector added. Connector key is aligned to slow axis.

*The routing path: Type A: 1 → 2, 2 → 3, 3 → 4; Type B: 1 → 2, 2 → 3, 3 → 4, 4 → 1

B. Package Dimensions



C. Ordering Information

DL-DPMCIR-VV-W-X-Y-Z

VV: Wavelength	W: Type	X: Connector Type	Y: Fiber Type	Z: Fiber Length
31 - 1310 nm	1 - Type A	1 - FC/UPC	B - 250 μ m Panda fiber	Q - 0.75 m
55 - 1550 nm	2 - Type B	2 - FC/APC	L - 900 μ m loose tube	S - Specify
SS - Specify		3 - SC/UPC	S - Specify	
		4 - SC/APC		
		N - None		