



High Power Circulator

As a compact high performance light wave component, the PHX's high power circulator routes incoming signals from Port 1 to Port 2, and incoming signals Port 2 to Port 3. The component provides low IL and PDL(SM), high stability and reliability. It is widely used in combination with the fiber brag gratings, reflective components optical amplifier and other fiber optical instruments. These circulators are Telcordia GR1209/1221 compliant. Customized product is available.

Specifications

Parameters	Unit	Min	Typical	Max
Center Wavelength	nm	780,850,980,1030,1310,1550,2000**		
Operating Wavelength Range	nm		±30	±100
Insertion Loss*	dB		0.6	1.2
Polarization Dependent Loss (SM)	dB		0.05	0.2
Wavelength Dependent Loss	dB		0.25	0.5
Isolation (Port2 -> Port1)	dB	27	30	
Isolation (Port3 -> Port2)	dB	17	25	
Cross Talk	dB		30	
Extinction Ratio (PM)	dB	20	25	
Power Handling **	W			1
Return Loss	dB	50	55	
Tensile Load	N			5
Operation Temperature	°C	5		65
Storage Temperature	°C	-40		85
Fiber Type**	NA	HI780, HI1060, MM62.5/125, PM850 or PM980**		
Package Dimension**	mm	32 × 32 × 32, 67 × 32 × 32, 90 × 34 × 33		

*The above specification is without connector.

**Other specifications can be made on customer request.



Ordering Information

CIR	XX	XXX	XX	X	X	XX	XX/XX
	Operating Wavelength	Port Number	Power Level	Fiber Type	Fiber Jacket	Fiber Length	Connector
	78=780	1×2	01=1W	HI1060	0=250um	10=1m	FC/UPC
	85=850		05=5W	MM50/125	1=900um	15=1.5m	FC/APC
	98=980		...	PM850	S=specify	20=2m	SC/UPC
	03=1030			...		SS=specify	...
	