

1900~1970nm Polarization Maintaining 3-port Optical Circulator

FEATURES

- ▣ High Isolation
- ▣ Low Insertion Loss
- ▣ Epoxy-Free Optical Path
- ▣ High Reliability and Stability
- ▣ Low Profile Packaging

APPLICATIONS

- ▣ Fiber Optic Amplifiers
- ▣ Fiber Optic Instruments
- ▣ WDM Systems
- ▣ Dispersion Compensation
- ▣ Light Routing

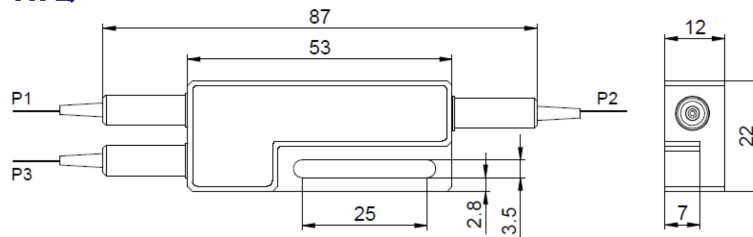
SPECIFICATIONS

Parameter	Unit	A Type	B Type	C Type
Center Wavelength (λ)	nm	1900 \pm 10, 1930 \pm 20, 1950 \pm 20, 1970 \pm 20		
Insertion Loss@23°C	(Typ.)	dB	1.8	1.5
	(Max.)	dB	2.5	1.9
Isolation@23°C	(Typ.)	dB	32	16
	(Min.)	dB	28	14
Extinction Ratio	dB	\geq 18		
Optical Return Loss	dB	\geq 45		
Cross Talk	dB	\geq 40		
Work Mode	S Type	-	Can only work in slow axis	
	F Type	-	-	Both Axis Working
Fiber Type	-	PM1550 Panda Fiber or PM1950 Fiber (V) 10/130um PMDC Fiber (O) or 25/250um PMDC Fiber (R)		
Fiber Tensile Load	N	5		
Maximum Optical Power (CW)	mW	300		
Operating Temperature	°C	0~50		
Storage Temperature	°C	-20~75		
Package	Stainless Steel Tube (SST)	mm	ϕ 5.5xL35	
Dimension	Metal Box	mm	L120xW12xH10	

See Drawing

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
 - Devices for higher optical power or with other type fiber or consigned fiber are also available; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.

PACKAGE DIMENSION (C TYPE)



ORDERING INFORMATION (PN)

FPCR-	NNNN	- (C)	3 (C)	- (C)	C	C	NN	- CC/CCC
Center Wavelength	Work Mode	Type	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type	
1900-1900nm	F-F Type	A-A Type	M-Metal Box	2- PM1550 Fiber	B- Bare Fiber	05-0.5m	N-Without Connector	
1930-1930nm	Blank for S Type	C-C Type	Blank for SST	V- PM1950 Fiber	L- Loose Tube	10-1.0m	FC/APC=FC/APC Connector	
1950-1950nm		Blank for B Type	or C Type	O-10/130 PMDC Fiber	2-2mm Cable	15-1.5m	LC/PC=LC/PC Connector	
1970-1970nm				R-25/250 PMDC Fiber	3-3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector	