

3-port PM Optical Circulator for Pulse Power

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

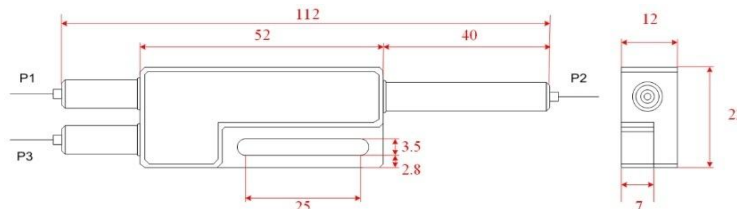


SPECIFICATIONS

Parameter	Unit	A Type	B Type	
Center Wavelength	nm	1310, 1480nm, 1550, 1590		
Operating Wavelength Range	nm	+/-30	+/-20	
Insertion Loss (1→2, 2→3)	(Typ.)	0.7	0.6	
	(Max.)	0.9	0.8	
	(Peak.)	52	40	
Isolation (3→2, 2→1)	(Typ.)	46	30	
	(Min.)	40	20	
Cross Talk	dB	≥50		
Optical Return Loss	dB	≥55		
Extinction Ratio	(Typ.)	23	22	
	(Min.)	20	18	
Polarization Alignment	-	Slow Axis		
Fiber Type	-	PM1310/1550 Panda Fiber, 10/125um PMDC Fiber NA=0.08 (O)		
	-	10/130um PMDC Fiber NA=0.15 (O2), 12/130um PMDC Fiber (T)		
	-	25/250um PMDC Fiber (R), 25/300um PMDC Fiber (G)		
Fiber Tensile Load	N	5		
Max. Average Optical Power	W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20, 25, 30		
Max. Peak Power for pulse	kW	0.1, 1, 2, 3, 5, 10, 15, 20		
Operating Temperature	°C	0~70		
Storage Temperature	°C	-20~75		
Package Dimension	Stainless Steel Tube (SST)	mm	∅5.5x35 (≤5W); ∅6.0x50 (5~10W)	
	Metal Box	mm	L120xW12xH10	

- Note:**
1. Specifications are for device without connectors; Specifications may change without notice.
 2. To add connectors, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
 3. The devices can only work in slow axis and fast axis is blocked.
 4. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
 5. 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.
 - 6 Package size may be different for different optical power and fiber types.

PACKAGE DIMENSION (>10W OPTICAL POWER)



ORDERING INFORMATION (PN)

FPCR- NNNN	-3(C)	-H	NN	P NN	- (NN)	- (C)	C	C	NN	-CC/CCC
Center Wavelength	Type	Average Power	Peak Power	Average Power P2	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type	
1310- 1310nm	A=A Type	03=300mW	01=100W	1= 1W	M=Metal Box	2=PM1310/1550 Fiber	B= Bare Fiber	05=0.5m	N=Without Connector	
1550- 1550nm	Blank for B Type	1= 1W	1= 1kW	2= 2W	Blank for SST	0=10/125 PMDC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector	
1480- 1480nm		5=5W	10=10kW	5=5W	or >10W	T=12/130 PMDC Fiber	2=2mm Cable	15=1.5m	LC/PC =LC/PC Connector	
1590- 1590nm		10=10W	20=20kW	Blank for P2=P1		R=25/250 PMDC Fiber	3=3mm Cable	20=2.0m	SC/UFC=SC/UFC Connector	

