

High Power 3-Port Optical Circulator with Both Axis Working

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

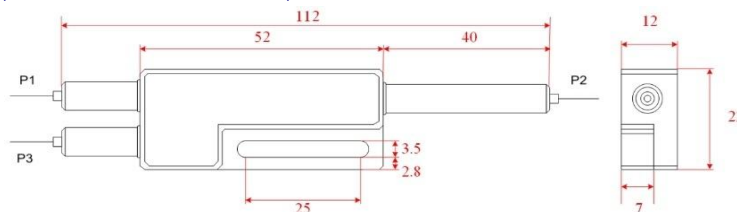


SPECIFICATIONS

Configuration	Unit	3-port	
Working Wavelength	nm	1295-1325, 1470-1490 1530-1570, 1570-1610	
Insertion Loss	(Typ.)	1.0	
	(Max.)	1.2	
Isolation	(Min.)	30	
Optical Return Loss	dB	≥45	
Cross Talk	dB	≥45	
Extinction Ratio	dB	≥18	
Work Mode	-	F Type, Can work both in slow axis and fast 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. Optical Power (CW)	W	1, 2, 3, 5, 10, 15, 20, 25, 30	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-20~75	
Package Dimension	Stainless Steel Tube (SST)	mm	∅5.5x50
	Metal Box	mm	L120xW12xH10

- 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.
 - Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
 - 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 size may be different for different optical power and fiber types.

PACKAGE DIMENSION (>10W OPTICAL POWER)



ORDERING INFORMATION (PN)

FPCR- NNNN-F3-HP NN	- (NN)	- (C)	C	C	NN	- CC/CCC	
Center Wavelength	Optical Power	Optical Power P2	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1310-1310nm	1-1W	1-1W	M= Metal Box	2=PM1310/1550 Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
1480-1480nm	2-2W	2-2W	Blank for SST	0=10/125 PMDC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
1550-1550nm	5-5W	5-5W	or >10W	T=12/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
1590-1590nm	10=10W	Blank for P2=P1		R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector

