

750-810nm 4-port Optical Circulator for Pulse Power

FEATURES

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

APPLICATIONS

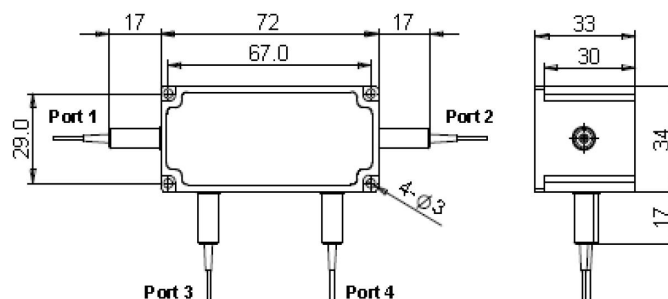
- Fiber Optic Amplifiers
- Fiber Optic Instruments
- WDM Systems
- Dispersion Compensation
- Light Routing

SPECIFICATIONS

Parameter	Unit	Value
Working Wavelength	nm	750±10, 780±10, 793±10, 808±10
Insertion Loss@23°C	(Typ.)	dB
	(Max.)	dB
Optical Path	C Type	-
	D Type	-
	E Type	-
Isolation@23°C	(Typ.)	dB
	(Min.)	dB
PDL	dB	≤0.2
Optical Return Loss	dB	≥45
Cross Talk	dB	≥40
Fiber Type	-	HI780 Fiber or 780HP Fiber
Fiber Tensile Load	N	5
Maximum Total Average Optical Power	W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20
Max. Peak Power for Pulse	kW	0.1, 1, 2, 3, 5, 10, 15, 20
Operating Temperature	°C	0~50
Storage Temperature	°C	-20~75

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.7dB higher, RL is 5dB lower.
 - 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.
 - Package size may be different for different optical power, configuration and fiber types.

DIMENSION DRAWING



ORDERING INFORMATION (PN)

FCIR-NNN	- (C)	-4H NN	P NN	-(NN/NN)	-(NN)	-(N)	C	NN	- CC/CCC
Center Wavelength	Optical Path	Average Power (Total)	Peak Power	Average Power P2/P3	Average Power P4	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
750~750nm	D=D Type	05~500mW	01~100W	1~1W	1~1W	7~780HP Fiber	B= Bare fiber	05~0.5m	N=Without Connector
780~780nm	E=E Type	1~1W	1~1kW	2~2W	2~2W	Blank for HI780 Fiber	L= Loose Tube	10~1.0m	FC/APC=FC/APC Connector
790~790nm	Blank for C Type	5~5W	10~10kW	5~5W	5~5W		2= 2mm Cable	15~1.5m	LC/PC=LC/PC Connector
808~808nm		10~10W	20~20kW	Blank for P2/3=P1	Blank for None		3= 3mm Cable	20~2.0m	SC/UPC=SC/UPC Connector

