

750~860nm PM Pump Laser Protector with Isolator for Pulse Power

FEATURES

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

APPLICATIONS

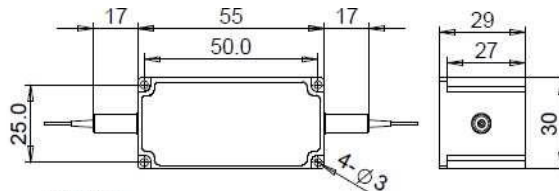
- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Metro Networks
- CATV Networks

SPECIFICATIONS

Parameters	Unit	Standard	High Signal Isolation
Pump Laser Wavelength	nm	750±10, 780±10, 793±10, 808±10, 830±10, 850±10	
Blocking Signal Wavelength	Type 5	nm	1500~1620
	Type 2	nm	1020~1120&1500~1620
	Type 8	nm	880~1100
	Type 9	nm	1900~2070
Pump Insertion Loss@23°C	dB	≤1.5	≤1.8
Backward Pump Isolation@23°C	dB	≥22	
Backward Signal Attenuation	dB	≥25	≥45
Configuration	D Type	-	2-port
	Y Type	-	3-port, (Backward Signal/Pump Guide Out)
Work Mode	S Type	-	Can only work in Slow Axis
	F Type	-	Can work both in Slow Axis and Fast Axis
Return Loss	dB	≥50	
Extinction Ratio	dB	≥18	
Fiber Type	Input&Output	-	PM850 Fiber or PM780-HP Fiber
	3 rd Port (Only for Y Type)	-	Same Fiber, Corr. SM Fiber or 105/125um MM Fiber
Fiber Tensile Load	N	5	
Max. Average Power (Pump+Signal)	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	
Max. Backward Signal/Pump Average Power	W	0.3, 0.5, 1, 2, 3, 5, 10	
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, 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.
 - Suggest to use Y/X type if blocked optical power is >1W.
 - Package size may be different for different optical power, fiber type and configurations.

DIMENSION DRAWING



ORDERING INFORMATION (PN)

CW	Word Mode	Signal Type	Signal Isolation	B.Signal Fiber	B.Pump Guide Out	Optical Power	Peak Power	B.Signal/Pump Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
780-780nm	S= S Type	9= Type 9	I=High Isolation	Y= Same Fiber	P= Yes	05=500mW	01=100W	05= 500mW	2=PM850 Fiber	B= Bare fiber	05=0.5m	N=Without Connector
793-793nm	F= F Type	5= Type 5	Blank for Standard	S=Corr. SM Fiber	Blank for	1= 1W	1= 1kW	1= 1W	7=PM780-HP Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
808- 808nm		2=Type 2		A=105/125um Fiber	D Type or No	5= 5W	5= 5kW	5= 5W		2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
830- 830nm		8=Type 8		Blank for D Type		10=10W	20=20kW	Blank for 300mW		3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector

