

Multimode Pump Laser Protector for Pulse

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
- ▣ Labs



SPECIFICATIONS

Parameters	Unit	Standard	High Isolation
Pump Laser Center Wavelength	nm	915, 930, 940, 950, 975	
Pump Laser Bandwidth	nm	+/-15	
Blocking Signal Wavelength	Type 6	nm	1020~1120
	Type 4	nm	1000~1120
	Type 5	nm	1500~1620
	Type 2	nm	1020~1120&1500~1620
Pump Insertion Loss	Typ.	dB	0.3
	Max.	dB	0.7
Backward Signal Attenuation	dB	≥25	≥45
Configuration	D Type	-	2-port
	Y Type	-	3-port, (Backward Power Guide Out)
Return Loss	dB	≥30	
Fiber Type	-	105/125um NA=0.12(D), NA=0.15(B) or NA=0.22(A) 106.5/125um NA=0.22(J), or specified by customer	
Fiber Tensile Load	N	5	
Max. Average Power (Pump+Signal)	W	6, 10, 25, 35, 40, 50	
Max. Peak Power for Pulse	kW	0.1, 1, 2, 3, 5, 10, 15, 20	
Max. Signal Average Power	W	0.3, 0.5, 1, 2, 3, 5, 10	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	∅5.5xL35 (≤5W); ∅6.0xL50 (5~10W)
	Metal Box G (≤30W)		L58x ^W 10x ^H 8
	Metal Box H (30~50W)		L90x ^W 12x ^H 10

- Note:**
1. Specifications are for device without connectors; Specifications may change without notice.
 2. To add connectors, IL is 0.3dB higher, RL is 10dB lower.
 3. Specifications are tested at low order modes.
 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.
 6. Suggest to use Y type if blocked optical power is >1W.
 7. Package size may be different for different fiber type, optical power and configuration.

ORDERING INFORMATION (PN)

FMPP-NNN	-(N)	(C)	(C)	-H NN	P NN	-(NN)	-(C)	C	C	NN	-CC/CCC
Center Wavelength	Type	Isolation	Configuration	Average Power	Peak Power	Signal Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
915= 915nm	4= Type 4	I=High Isolation	Y= Y Type	6= 6W	01=100W	05=500mW	H=Box H	A=105/125, NA=0.22	B= Bare Fiber	05=0.5m	N=Without Connector
975=975nm	5= Type 5	Blank for Standard	Blank for D Type	10= 10W	1= 1kW	1= 1W	G=Box G	B=105/125, NA=0.15	L= Loose Tube	10=1.0m	FC/APC= FC/APC Connector
930= 930nm	2=Type 2			25=25W	5=5kW	5= 5W	Blank for SST	D=105/125 NA=0.12	2= 2mm Cable	15=1.5m	SC/PC= SC/PC Connector
940= 940nm	Blank for Type 6			50=50W	10=10kW	Blank for 300mW		J=106.5/125 NA=0.22	3= 3mm Cable	20=2.0m	LC/UPC=LC/UPC Connector

