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	0.4
	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	Ø5.5xL35 (≤5W); Ø6.0xL50 (5~10W)	
	Metal Box G (≤30W)		L58xW10xH8	
	Metal Box H (30~50W)		L90xW12xH10	

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