

750~850nm Multimode Pump Laser Protector

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	750, 780, 793, 808, 830, 850	
Pump Laser Bandwidth		nm	+/- 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	Typ.	dB	0.6	0.7
	Max.	dB	1.0	
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. Optical Power (Pump+Signal, CW)		W	6, 10, 25, 35, 40, 50	
Max. Signal Power (CW)		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	∅5.5x ^L 35 (≤5W); ∅6.0x ^L 50.(5~10W)	
	Metal Box (≤30W)		L58x ^W 10x ^H 8	
	Metal Box (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)

Center Wavelength	Type	Isolation	Configuration	Optical Power	Signal Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
780~780nm	5= Type 5	I=High Isolation	Y= Y Type	6= 6W	05=500mW	M= Metal Box	A=105/125, NA=0.22	B= Bare Fiber	05=0.5m	N =Without Connector
793~793nm	9=Type 9	Blank for Standard	Blank for D Type	10= 10W	1= 1W	Blank for SST	B=105/125, NA=0.15	L= Loose Tube	10=1.0m	FC/APC= FC/APC Connector
808= 808nm	8= Type 8			25=25W	5= 5W	or >10W	D=105/125 NA=0.12	2= 2mm Cable	15=1.5m	SC/PC = SC/PC Connector
830= 830nm	2= Type 2			50=50W	Blank for 300mW		J=106.5/125 NA=0.22	3= 3mm Cable	20=2.0m	LC/UPC=LC/UPC Connector

