

PM Pump Laser Protector

PM Pump Laser Protector is a fiber passive component which can block the back reflection signal laser with high backward signal attenuation to protect the pump laser diode, it's widely used in fiber amplifier and fiber laser field, the handling power can be up to 10W CW or specify.

Application:

Fiber Laser
Fiber Amplifier
Laser Power Combination
Lab And Research

Features:

High Signal Attenuation
High Power
RoHs Compliant
High Reliability



Specification:

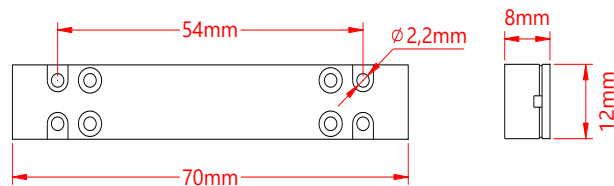
Parameter	Symbol	Value	Unit
Operating Pump Wavelength	λ	793, 915, 940, 975, 980, 1560	nm
Pump Wavelength Bandwidth	BW	± 15	nm
Typ. Pump Insertion Loss	IL	0.5	dB
Max. Pump Insertion Loss	IL	0.6	dB
Min. Extinction Ratio	ER	18	dB
Operating Signal Wavelength Bandwidth	BW	1000~1110, 1530~1570, 1720~1780, 1900~2100	nm
Min. Backward Signal Attenuation	Att.	30	dB
Min. Return Loss	RL	50	dB
Min. Handling Power (CW)	P	0.5, 1, 3, 5, 10 or specify	W
Fiber Type		PM Panda fiber	-
Operating Temperature	T	-5~65	°C
Storage Temperature	T	-40~85	°C
Package Dimension		70x12x8	mm

Notice: Above specifications are tested at center wavelength without connector in room temperature @23 °C.

For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower, ER will be 2dB lower, slow axis is default aligned to the connector key.

Connectors only 1W CW optical power guarantee.

Drawing:



Ordering Information (Part Number):

PMPLP- WWW - WWW - HH - J - LL - CC					
WWW	WWW	HH	J	LL	CC
Pump Wavelength	Signal Wavelength	Handling Power	Fiber Jacket	Fiber Length	Connector
793 - 793nm	1064 - 1064nm	Z5 - 0.5W	B - 250um Bare Fiber	05 - 0.5m	NE - None
915 - 915nm	1550 - 1550nm	01 - 1W	9 - 900um Loose Tube	08 - 0.8m	FA - FC/APC
940 - 940nm	1750 - 1750nm	03 - 3W	2 - 2mm Loose Tube	10 - 1.0m	FU - FC/UPC
975 - 975nm	2000 - 2000nm	05 - 5W	3 - 3mm Loose Tube	15 - 1.5m	SS - Specify
980 - 980nm	SSSS - Specify	10 - 10W		20 - 2.0m	
1560 - Specify		SS - Specify		SS - Specify	
SSS - Specify					