

SM Pump Laser Protector

SM 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



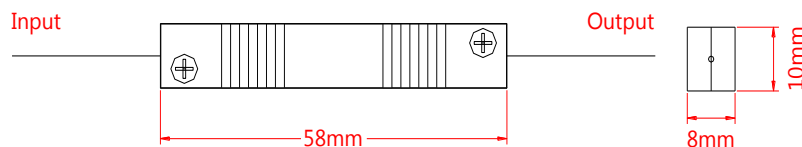
Specification:

Parameter	Symbol	Value	Unit
Operating Pump Wavelength	λ	915 or 975	nm
Pump Wavelength Bandwidth	BW	± 15	nm
Typ. Pump Insertion Loss	IL	0.3	dB
Max. Pump Insertion Loss	IL	0.5	dB
Max. Polarization Dependent Loss	PDL	0.2	dB
Operating Signal Wavelength Bandwidth	BW	1020~1120 or 1530~1570	nm
Min. Backward Signal Attenuation	Att.	50	dB
Min. Return Loss	RL	50	dB
Min. Handling Power (CW)	P	0.5, 1, 3, 5, 10 or specify	W
Fiber Type		HI 1060 or SMF-28e fiber	-
Operating Temperature	T	-5~65	$^{\circ}\text{C}$
Storage Temperature	T	-40~85	$^{\circ}\text{C}$
Package Dimension		58x10x8	mm

Notice: Above specifications are tested at center wavelength without connector in room temperature @23 $^{\circ}\text{C}$.

For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower, connectors only 1W CW optical power guarantee.

Drawing:



Ordering Information (Part Number):

SMPLP- WWW - WWWW - HH - J - LL - CC					
WWW	WWWW	HH	J	LL	CC
Pump Wavelength	Signal Wavelength	Handling Power	Fiber Jacket	Fiber Length	Connector
915 - 915nm	1064 - 1064nm	Z5 - 0.5W	B - 250um Bare Fiber	05 - 0.5m	NE - None
975 - 975nm	1550 - 1550nm	01 - 1W	9 - 900um Loose Tube	08 - 0.8m	FA - FC/APC
SSS - Specify	SSSS - Specify	03 - 3W		10 - 1.0m	FU - FC/UPC
		05 - 5W		15 - 1.5m	SA - SC/APC
		10 - 10W		20 - 2.0m	SU - SU/APC
		SS - Specify		SS - Specify	LA - LC/APC
					LU - LC/UPC
					SS - Specify