

## 1020~1150nm PM Mode Field Adapter for Pulse Power

### FEATURES

- High Input Optical Power
- Low Insertion Loss
- Epoxy-Free Optical Path
- High Reliability and Stability
- Low Profile Packaging

### APPLICATIONS

- Fiber Laser
- Optical Amplifier
- High Power Laser
- Laser Source
- Test Equipment

### SPECIFICATIONS

Parameter	Unit	Value
Signal Wavelength	nm	1020, 1030, 1040, 1053, 1064, 1070, 1080, 1092, 1103, 1120, 1150
Pump Wavelength	nm	915, 950, 975, 980
Fiber Type	-	PM980 Fiber(H), PM1060L Fiber(E), 6/125um NA=0.14(N), 5/130um NA=0.12(N1), 10/125um NA=0.075(O), 15/130um NA=0.075(W), 20/130um NA=0.075(Q), 25/250um NA=0.065(R), 25/400um NA=0.065(R1), 30/250um NA=0.06(R2), 30/400um NA=0.06(R3) or specified by customer
Signal Insertion Loss	dB	≤0.7
Extinction Ratio	dB	≥16
Max. Signal Average Optical Power	W	10, 20, 30, 50, 100
Max. Peak Power for Pulse	kW	0.1, 1, 2, 3, 5, 10, 20, 50, 100
Max. Average Cladding Power	W	1, 2, 3, 5, 10, 20, 30, 50
Cladding Power Mode	-	Transmitted or Stripped
Operating Temperature	°C	0~50
Storage Temperature	°C	-40~85
Package Dimension	mm	A: 65 <sup>L</sup> x12 <sup>W</sup> x8.6 <sup>H</sup> , B: 100 <sup>L</sup> x12 <sup>W</sup> x10 <sup>H</sup>
		C: 70 <sup>L</sup> x12 <sup>W</sup> x8 <sup>H</sup> , D: 100 <sup>L</sup> x15 <sup>W</sup> x10 <sup>H</sup>
		F: 50 <sup>L</sup> x5 <sup>W</sup> x5 <sup>H</sup>

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
  - To add connectors, IL is 0.5dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
  - Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
  - Devices for higher optical power or with other type fiber or consigned fiber are also available.
  - Package size may be different for different fiber type, optical power and configuration.

### ORDERING INFORMATION (PN)

Signal Wavelength	Package	Average Power	Peak Power	Pump WL	Clad Mode	Clad Power	Input Fiber Type	Output Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1030-1030nm	A-A Type	10-10W	01-100W	91-915nm	T-Transmitte	10-10W	H-PM980 Fiber	0-10/125PMDC Fiber	B- Bare Fiber	05-0.5m	N-Without Connector
1064-1064nm	B-B Type	20-20W	1-1kW	97-975nm	S-Stripped	20-20W	N-6/125PMDC Fiber	Q-20/125PMDC Fiber		10-1.0m	FC/APC- FC/APC Connector
1103-1103nm	C-C Type	30-30W	10-10kW	95-950nm	Blank for None	30-30W	0-10/125PMDC Fiber	R-25/250PMDC Fiber		15-1.5m	SC/PC- SC/PC Connector
1150-1150nm	D-D Type	100-100W	20-20kW	Blank for None		Blank for None	Q-20/125PMDC Fiber	N1-5/130PMDC Fiber		20-2.0m	LC/UPC- LC/UPC Connector
								R1-25/400PMDC Fiber			