

## 1310/1490/1550nm High Power PM WDM Module

### FEATURES

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

### APPLICATIONS

- Broadband Systems
- Optical Add/Drop Multiplexing
- Telecommunication Networks
- Metro Networks
- CATV Networks

### SPECIFICATIONS

Parameter	Unit	Value	
Working Wavelength	Port1: $\lambda_1$	nm	1310±30
	Port2: $\lambda_2$	nm	1490±10
	Port3: $\lambda_3$	nm	1530~1570
Insertion Loss	Port1@ $\lambda_1$	dB	≤ 1.5
	Port2@ $\lambda_2$	dB	≤ 1.5
	Port3@ $\lambda_3$	dB	≤ 1.5
Isolation	Port1@ $\lambda_2$ & $\lambda_3$	dB	≥ 25
	Port2@ $\lambda_1$ & $\lambda_3$	dB	≥ 25
	Port3@ $\lambda_1$ & $\lambda_2$	dB	≥ 25
Extinction Ratio	dB	≥ 18	
Directivity	dB	≥ 50	
Return Loss	dB	≥ 45	
Fiber Type	-	PM1310 Panda Fiber, 10/125um PMDC Fiber (O), 12/130um PMDC Fiber (T), 20/130um PMDC Fiber (Q) 25/250um PMDC Fiber (R), 25/300um PMDC Fiber (G)	
Fiber Tensile Load	N	5	
Max. Power Handling (CW)	W	1, 2, 3, 5, 10, 15, 20	
Operating Temperature	°C	0~70	
Storage Temperature	°C	-40~+85	
Package Dimension	mm	(L)100x(W)80x(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 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
  3. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
  4. Devices for higher optical power or with other type fiber or consigned fiber are also available; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.

### ORDERING INFORMATION (PN)

<b>FPWM- 134915</b>	<b>-HP</b>	<b>NN</b>	<b>-</b>	<b>C</b>	<b>C</b>	<b>NN</b>	<b>-</b>	<b>CC/CCC</b>
	<i>Optical Power</i>	<i>Fiber Type</i>		<i>Fiber Sleeve</i>		<i>Fiber Length</i>		<i>Connector Type</i>
	1=1W	2=PM1310 Fiber		B= Bare Fiber		05=0.5m		N=Without Connector
	5=5W	O=10/125 PMDC Fiber		L= Loose Tube		10=1.0m		FC/APC=FC/APC Connector
	10=10W	T=12/130 PMDC Fiber		2=2mm Cable		15=1.5m		LC/PC =LC/PC Connector
	20=20W	R=25/250 PMDC Fiber		3=3mm Cable		20=2.0m		SC/UPC=SC/UPC Connector