

1310/1490/1550nm WDM Module for Pulse Power

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: λ_1	nm	1310 \pm 30
	Port2: λ_2	nm	1490 \pm 10
	Port3: λ_3	nm	1530~1570
Insertion Loss	Port1@ λ_1	dB	\leq 1.5
	Port2@ λ_2	dB	\leq 1.5
	Port3@ λ_3	dB	\leq 1.5
Isolation	Port1@ λ_2 & λ_3	dB	\geq 25
	Port2@ λ_1 & λ_3	dB	\geq 25
	Port3@ λ_1 & λ_2	dB	\geq 25
Polarization Dependent Loss	dB	\leq 0.2	
Directivity	dB	\geq 50	
Return Loss	dB	\geq 45	
Fiber Type	-	SMF-28 Fiber, 10/130um DC Fiber (O), 12/130um DC Fiber (T), 20/130um DC Fiber (Q) 25/250um DC Fiber (R), 25/300um DC Fiber (G)	
Fiber Tensile Load	N	5	
Max. Average Optical Power	W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20	
Max. Peak Power for pulse	kW	0.1, 1, 2, 3, 5, 10, 15, 20	
Operating Temperature	$^{\circ}$ C	0~70	
Storage Temperature	$^{\circ}$ 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.
 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)

FFWM- 134915	-H	NN	P	NN	-	(C)	C	NN	-	CC/CCC
		<i>Average Power</i>		<i>Peak Power</i>		<i>Fiber Type</i>	<i>Fiber Sleeve</i>	<i>Fiber Length</i>		<i>Connector Type</i>
		03=300mW		01=100W		O=10/130 DC Fiber	B= Bare Fiber	05=0.5m		N=Without Connector
		1=1W		1=1kW		T=12/130 DC Fiber	L= Loose Tube	10=1.0m		FC/APC=FC/APC Connector
		10=10W		10=10kW		R=25/250 DC Fiber	2=2mm Cable	15=1.5m		LC/PC =LC/PC Connector
		20=20W		20=20kW		Blank for SMF-28 Fiber	3=3mm Cable	20=2.0m		SC/UPC=SC/UPC Connector

