

915/1120nm PM WDM/Isolator Hybrid for Pulse Power

FEATURES

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

APPLICATIONS

- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Metro Networks
- CATV Networks

SPECIFICATIONS

Parameters	Unit	Single Stage	Dual Stage
Signal Wavelength Range λ_1	nm	1120+/-10	
Pump Wavelength Range λ_2	nm	915+/-10	
Insertion Loss@23°C	Signal Channel@ λ_1	dB	≤2.7
	Pump Channel@ λ_2	dB	≤1.0
Signal Isolation (23°C, All SOP)	dB	≥22	≥40
Wavelength Isolation	Signal Channel@ λ_2	dB	≥25
	Pump Channel@ λ_1	dB	≥12
Optical Return Loss	dB	≥45	
Extinction Ratio	dB	≥18	
Working Mode	S Type	-	Can only work in Slow Axis
	F Type	-	Can work both in Slow Axis and Fast Axis
Fiber Type	Common and Signal Port	-	PM850 Fiber, PM980 Fiber or PM1060L Fiber (E)
		-	10/125um PMDC Fiber (O), 15/130um PMDC Fiber (W) 20/130um PMDC Fiber (Q) or 25/250um PMDC Fiber (R)
Fiber Type	Pump Port (915nm)	-	Same Fiber, Corr. SM Fiber, PM850 Fiber, HI780 Fiber, PM980 Fiber (M) or HI1060 Fiber (X)
		-	
Fiber Tensile Load	N	5	
Max. Signal Average Optical Power	mW	300	
Max. Pump Average Optical Power	W	0.3, 0.5, 1, 2, 3, 5, 10	
Max. Peak Power for pulse	kW	0.1, 1, 2, 3, 5, 10, 15, 20	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	(Ø)5.5x35
	Metal Box	mm	(L)120x(W)12x(H)10

- Note:**
1. Specifications are for device without connectors; Specifications may change without notice.
 2. To add connectors, IL is 0.7dB 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)

FPHW-9112-CC	C	C	-H	NN	P	NN	-(NN)	-(C)	C	C	NN	-CC/CCC
<i>Stage</i>	<i>Pump Type</i>	<i>Work Mode</i>	<i>Pump Fiber</i>	<i>Average Power</i>	<i>Peak Power</i>	<i>Pump Power</i>	<i>Package</i>	<i>Fiber Type</i>	<i>Fiber Sleeve</i>	<i>Fiber Length</i>	<i>Connector Type</i>	
S=Single	F=Forward	S=S Type	P=PM850 Fiber	03=300mW	01=100W	05=500mW	M=Metal Box	2=PM850Fiber	B= Bare fiber	05=0.5m	N=Without Connector	
D=Dual	B=Backward	F= F Type	Y=Same Fiber		1= 1kW	1=W	Blank for SST	H=PM980 Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector	
			S=Corr. SM Fiber		10= 10kW	10=W		E= PM1060L Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector	
			H=HI780 Fiber		20=20kW	Blank for 300mW		R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector	