

915/1070nm 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	1070+/-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:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.7dB 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; 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-9107-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	