

915/1080nm WDM/Isolator Hybrid

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	1080+/-10	
Pump Wavelength Range λ_2		nm	915+/-10	
Insertion Loss@23°C	Signal Channel@ λ_1	dB	≤ 2.7	≤ 4.2
	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	
PDL		dB	≤ 0.2	≤ 0.25
Fiber Type	Common & Signal Port	-	HI780 Fiber, HI1060 Fiber or 10/125um SC Fiber (E) 10/125um DC Fiber (O) or 15/130um DC Fiber (W) 20/130um DC Fiber (Q) or 25/250um DC Fiber (R)	
	Pump Port	-	Same Fiber, HI780 Fiber or HI1060 Fiber	
Fiber Tensile Load		N	5	
Max. Signal Optical Power (CW)		mW	300	
Max. Pump Optical Power (CW)		W	0.3, 0.5, 1, 2, 3, 5, 10	
Operating Temperature		°C	0~50	
Storage Temperature		°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	$(\varnothing)5.5 \times 35$	
	Metal Box	mm	$(L)120 \times (W)12 \times (H)10$	

- 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.
 3. 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)

FHWM-9108-C	C	(C)	-(NN)	-(C)	(C)	C	NN	-CC/CCC
Stage	Pump Type	Pump Fiber	Pump Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
S= Single	F= Forward	H= HI780 Fiber	05=500mW	M= Metal Box	H= HI1060 Fiber	B= Bare fiber	05=0.5m	N= Without Connector
D= Dual	B= Backward	Blank for Same Fiber	1=W	Blank for SST	E= 10/125 SC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
			10=W		R= 25/250 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
			Blank for 300mW		Blank for HI780 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector