

## 915/1080nm 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 $\lambda_1$		nm	1080+/-10	
Pump Wavelength Range $\lambda_2$		nm	915+/-10	
Insertion Loss@23°C	Signal Channel@ $\lambda_1$	dB	≤2.7	≤4.2
	Pump Channel@ $\lambda_2$	dB	≤1.0	
Signal Isolation (23°C, All SOP)		dB	≥22	≥40
Wavelength Isolation	Signal Channel@ $\lambda_2$	dB	≥25	
	Pump Channel@ $\lambda_1$	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 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.
  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)

Stage	Pump Type	Pump Fiber	Average Power	Peak Power	Pump Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
S= Single	F= Forward	H= HI780 Fiber	03=300mW	01=100W	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= 1kW	1= W	Blank for SST	E= 10/125 SC Fiber	L= Loose Tube	10= 1.0m	FC/APC= FC/APC Connector
				10= 10kW	10= W		R= 25/250 DC Fiber	2= 2mm Cable	15= 1.5m	LC/PC= LC/PC Connector
				20= 20kW	Blank for 300mW		Blank for HI780 Fiber	3= 3mm Cable	20= 2.0m	SC/UFC= SC/UFC Connector