

915/1020-1120nm High Power WDM/Isolator/Tap Hybrid for Pulse Power

FEATURES

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

APPLICATIONS

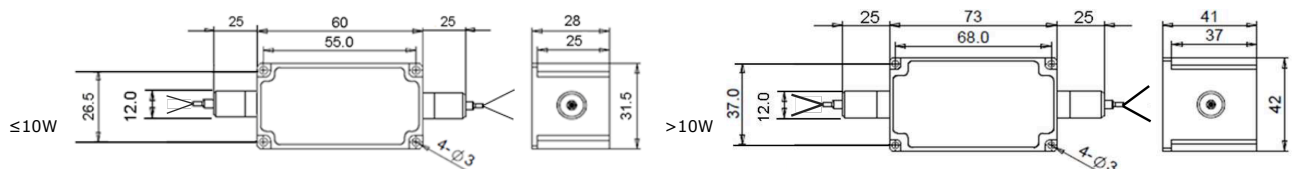
- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks

SPECIFICATIONS

Parameters	Unit	Value	
Signal Wavelength Range λ_1	nm	1020 \pm 5, 1030 \pm 10, 1040 \pm 10, 1053 \pm 10, 1064 \pm 10, 1080 \pm 10, 1092 \pm 10, 1120 \pm 10	
Pump Wavelength Range λ_2	nm	915 \pm 10	
Excess Loss@23°C	Signal Channel@ λ_1	dB	\leq 2.0
Insertion Loss@23°C	Pump Channel@ λ_2	dB	\leq 1.0
Signal Tap Ratio		%	1 \pm 0.5%, 2 \pm 0.7%, 5 \pm 1.0%, 10%, 20%, 30%, 50%
Signal Isolation (23°C, All SOP)		dB	\geq 20
Wavelength Isolation	Signal Channel@ λ_2	dB	\geq 25
	Pump Channel@ λ_1	dB	\geq 12
Optical Return Loss		dB	\geq 45
PDL		dB	\leq 0.2
Pump Direction		-	Forward Pump
Fiber Type	Common, Signal & Tap 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. Average Optical Power		W	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		°C	0~50
Storage Temperature		°C	-40~85

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.7dB higher, RL is 5dB lower.
 - 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.

PACKAGE DIMENSION



ORDERING INFORMATION (PN)

Wavelength	Tap Ratio	Pump Fiber	Average Power	Peak Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
06-1064nm	01-1%	H- HI780 Fiber	05-500mW	01-100W	H-HI1060 Fiber	B- Bare fiber	05-0.5m	N-Without Connector
03-1030nm	05-5%	Blank for Same Fiber	1- 1W	1- 1kW	E-10/125 SC Fiber	L- Loose Tube	10-1.0m	FC/APC=FC/APC Connector
08-1080nm	10-10%		10- 5W	5- 5kW	R-25/250 DC Fiber	2- 2mm Cable	15-1.5m	LC/PC=LC/PC Connector
12-1120nm	50-50%		20-10W	10-10kW	Blank for HI780 Fiber	3- 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector