

980/1080nm 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	Single Stage	Dual Stage
Signal Wavelength Range λ_1	nm	1080+/-10	
Pump Wavelength Range λ_2	nm	980+/-10	
Excess Loss@23°C Signal Channel@ λ_1	dB	≤2.7	≤4.2
Insertion Loss@23°C Pump Channel@ λ_2	dB	≤0.8	
Signal Tap Ratio	%	1+/-0.5%, 2+/-0.7%, 5+/-1.0%, 10%, 20%, 30%, 50%	
Signal Isolation (23°C, All SOP)	dB	≥22	≥40
Wavelength Isolation	Signal Channel@ λ_2	≥25	
	Pump Channel@ λ_1	≥12	
Optical Return Loss	dB	≥45	
PDL	dB	≤0.3	
Pump Direction	-	Forward Pump	
Fiber Type	-	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)	
Fiber Tensile Load	N	5	
Max. Signal Average Power	mW	300	
Max. Pump Average 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)5.5x40
	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 0.5dB 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	Tap Ratio	Average Power	Peak Power	Pump Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
S -Single	01 -1%	03 -300mW	01 -100W	05 -500mW	M -Metal Box	E -10/125 SC Fiber	B -Bare fiber	05 -0.5m	N -Without Connector
D -Dual	05 -5%		1 -1kW	1 -W	<i>Blank</i> for SST	Q -20/130 DC Fiber	L -Loose Tube	10 -1.0m	FC/APC -FC/APC Connector
	10 -10%		5 -5kW	10 -W		R -25/250 DC Fiber	2 -2mm Cable	15 -1.5m	LC/PC -LC/PC Connector
	50 -50%		10 -10kW	<i>Blank</i> for 300mW		<i>Blank</i> for HI1060 Fiber	3 -3mm Cable	20 -2.0m	SC/UPC -SC/UPC Connector

