

915/1080nm WDM/Isolator/Tap PM 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	915+/-10	
Excess Loss@23°C	Signal Channel@ λ_1	dB	≤ 2.7
Insertion Loss@23°C	Pump Channel@ λ_2	dB	≤ 1.0
Signal Tap Ratio		1+/-0.5%, 2+/-0.7%, 5+/-1.0%, 10%, 20%, 30%, 50%	
Signal Isolation (23°C, All SOP)		dB	≥ 22
Wavelength Isolation	Signal Channel@ λ_2	dB	≥ 25
	Pump Channel@ λ_1	dB	≥ 12
Optical Return Loss		dB	≥ 45
Extinction Ratio		dB	≥ 18
Pump Direction	S Type	-	Forward Pump, Only Slow Axis Working
	F Type	-	Forward Pump, Both Axis Working
	B Type	-	Backward Pump, Only Slow Axis Working
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)
	Pump Port (915nm)	-	Same Fiber, Corr. SM Fiber, PM850 Fiber, HI780 Fiber, PM980 Fiber (M) or HI1060 Fiber (X)
Tap Port	-	Same Fiber or Corr. SM Fiber	
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	(\varnothing)5.5x40
	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)

Stage	Pump Type	Tap Ratio	Pump Fiber	Tap Port	Fiber	Average Power	Peak Power	Pump Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
S= Single	S= S Type	01= 1%	P=PM850 Fiber	P=Same Fiber	03=300mW	01=100W	05=500mW	M= Metal Box	2= PM850 Fiber	B= Bare fiber	05=0.5m	N= Without Connector	
D= Dual	F= F Type	05= 5%	Y= Same Fiber	S= Corr. SM Fiber		1= 1kW	1= W	Blank for SST	H= PM980 Fiber	L= Loose Tube	10= 1.0m	FC/APC= FC/APC Connector	
	B= B Type	10= 10%	S= Corr. SM Fiber			10= 10kW	10= W		E= PM1060L Fiber	2= 2mm Cable	15= 1.5m	LC/PC= LC/PC Connector	
		50= 50%	H= HI780 Fiber			20= 20kW	Blank for 300mW		R= 25/250 PMDC Fiber	3= 3mm Cable	20= 2.0m	SC/UPC= SC/UPC Connector	

