

980/1020-1120nm High Power WDM/Isolator/Tap PM Hybrid for Pulse Power

FEATURES

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

APPLICATIONS

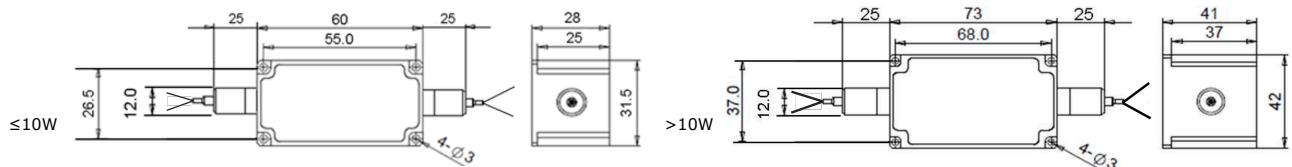
- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks

SPECIFICATIONS

Parameters	Unit	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	980 \pm 10	
Excess Loss@23°C	Signal Channel@ λ_1	dB	\leq 2.0
Insertion Loss@23°C	Pump Channel@ λ_2	dB	\leq 0.8
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
Extinction Ratio		dB	\geq 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 & Signal	-	PM980 Fiber, PM1060L Fiber (E) or PM1060L-FA Fiber (L) 10/125um PMDC Fiber (O) or 15/130um PMDC Fiber (W) 20/130um PMDC Fiber (Q) or 25/250um PMDC Fiber (R)
	Pump Port	-	Same Fiber, Corr. SM Fiber, PM980 Fiber or HI1060 Fiber
	Tap Port	-	Same Fiber or Corr. SM 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 0.5dB 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.

PACKAGE DIMENSION



ORDERING INFORMATION (PN)

Wavelength	Pump Type	Tap Ratio	Pump Fiber	Tap Port Fiber	Average Power	Peak Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
06=1064nm	S= S Type	01= 1%	Y=Same Fiber	P=Same Fiber	05=500mW	01=100W	2=PM980Fiber	B= Bare fiber	05=0.5m	N=Without Connector
03=1030nm	F= F Type	05=5%	P=PM980 Fiber	S=Corr. SM Fiber	1= 1W	1= 1kW	E=PM1060L Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
08=1080nm	B= B Type	10=10%	H=HI1060 Fiber		10= 5W	5= 5kW	Q=20/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
12=1120nm		50=50%	S=Corr. SM Fiber		20=10W	10=10kW	R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector

