

1μm High Power Isolator & WDM (TGG Based) (IWDM)

Features

Wide Operating Wavelength
Low IL & PDL & High Isolation
High Stability and Reliability

Applications

Fiber Amplifier
Fiber optic Instrument

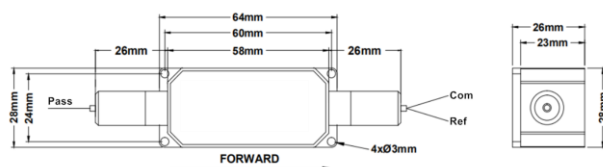


Specifications

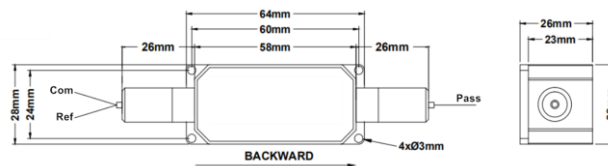
Parameters	Unit	Value
Signal Wavelength Range	nm	1064±10 or 1030±10
Signal Insertion Loss at 23°C (IL)	dB	≤1.5
Signal Reversed Isolation at 23°C (@ Signal λ)	dB	≥25
Isolation (Com ↔ Pass @ Pump λ)	dB	≥30
Pump Wavelength Range	nm	960-990
Pump Insertion Loss at 23°C (IL)	dB	≤0.8 (Typ. 0.6)
Isolation (Com ↔ Ref @ Signal λ)	dB	≥15
Polarization Dependent Loss (PDL) (for SMF version)	dB	≤0.15
Extinction Ratio (PER) (for PMF version @ signal & pump λ)	dB	≥15
Return Loss (RL)	dB	≥50
Max Average Optical Power	W	1, 5, 10, 20
Max Peak Power for ns Pulse	kW	10
Max Tensile Load	N	5
Operating Temperature	°C	0 ~ +70
Storage Temperature	°C	-40 ~ +85
Package Dimension	mm	64x28x26

*With connectors, IL+0.3dB, PER-2dB, RL-5dB, Max Power 1W,

Package Dimensions



Signal Route Pass Port → Com Port



Signal Route Com Port → Pass Port

Ordering Information

IWDM- ①①①①①①①①①①①①②-③-④④④④⑤⑤⑤⑤⑥-⑦⑦⑦⑦⑧
PMIWDM-

①	Wavelength	T1060/R980; T1030/R980;
②	Pump Type	F=Forward Pump; B=Backward Pump;
③	Axis Alignment	F=Fast Axis Blocked; B=Both Axis Working;
④	Pigtail Type	250=250μm bare fiber; 900=900μm loose tube;
⑤	Fiber Type @ Com & Pump	P98=PM980 at all port; P98/4=HI1060 at pump/PM980 at other port; 4=HI1060 at all port;
⑥	Fiber Length	1=1m;
⑦	Connector	NE=None; FC=FC/UPC; FA=FC/APC; SC=SC/UPC; SA=SC/APC;
⑧	Power Handling	1; 5; 10; 20;