

High Power Polarization Maintaining Isolator

Features

High Isolation
 Low Insertion Loss
 High Return Loss
 High Power Handling

Applications

Fiberoptic Amplifiers
 Fiber Laser
 Lab Research
 Instrumentation

Specifications -5W

Parameter	Unit	Value	
		Single Stage	dual Stage
Center Wavelength (λ_c)	nm	1480, 1550 or 1590	
Operating Wavelength Range	nm	± 20	
Isolation	dB	typ.42, min 28	typ.58, min 48
Typ. Insertion Loss at 23°C; λ_c	dB	0.4	0.5
Max. Insertion Loss at 23°C; λ_c	dB	0.55	0.65
Min. Return Loss (input/output)	dB	55/55	
Min.Extinction Ratio (f ax t axis block)	dB	25	
Max. Optical Power (CW)	W	5	
Max. Tensile Load	N	5	
Package Size		12x80x10	
Fiber Type	mm	PM Panda Fiber	
Operation Temperature	°C	-5 to 70	
Storage Temperature	°C	-40 to 85	

Specifications -10W

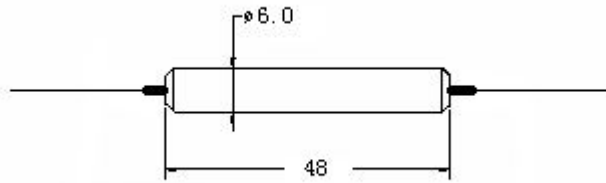
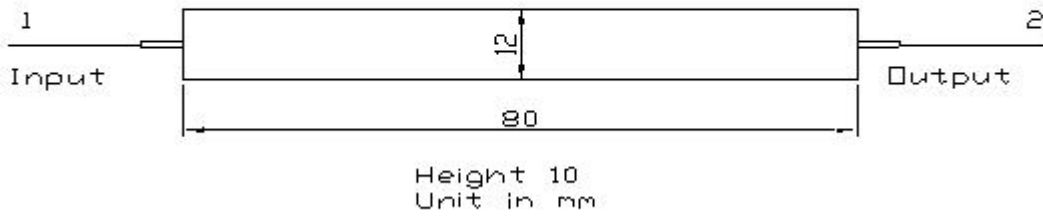
Parameter	Unit	Value	
		Single Stage	dual Stage
Center Wavelength (λ_c)	nm	1480, 1550 or 1590	
Operating Wavelength Range	nm	± 20	
Isolation	dB	typ.42, min 28	typ.58, min 43
Typ. Insertion Loss at 23°C; λ_c	dB	0.35	0.40
Max. Insertion Loss at 23°C; λ_c	dB	0.50	0.55
Min. Return Loss (input/output)	dB	60/55	
Min.Extinction Ratio (f ax t axis block)	dB	20	
Max. Optical Power (CW)	W	10	
Max. Tensile Load	N	5	
Package Size	mm	6(dia)x48	
Fiber Type		PM Panda Fiber	
Operation Temperature	°C	-5 to 70	
Storage Temperature	°C	-40 to 85	

*Above specifications are for device without connector.

*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower,ER will be 2dB lower.

*The PM fiber and the connector key are aligned to the slow axis.

Imagine



Ordering Information

PMI Type	Wavelength	Grade	Pigtail	Fiber length	Connector	Power Handling
S=single stage D=Dual Stage	14=1480nm 15=1550nm 18=1590nm	P=P Grade	B=250um bare fiber L=900um	10=1.0m 15=1.5m 20=2.0m 30=3.0m	NE=None	5W=5W 10W=10W