

Tap/Isolator/WDM Hybrids (TIW)

Features

Low insertion loss
High extinction ratio
High stability & Reliability

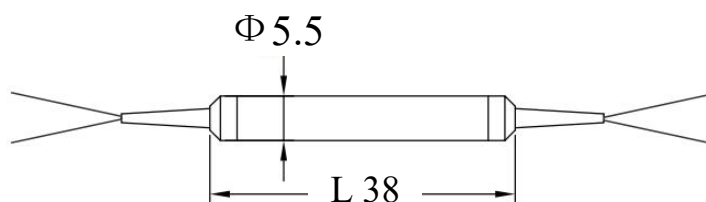
Applications

Fiber Amplifier
Fiber sensor
Fiber Laser Marking
Laboratory R&D

Parameter		980/1550		Unit
Isolator stage		Single stage	Dual stage	-
Isolation @ 23°C		≥30	≥48	dB
Signal wavelength range		1528~1565(C-Band)		nm
Insertion loss (Signal)	95%(5/95)	≤1.2	≤1.3	dB
	90%(10/90)	≤1.4	≤1.5	dB
PMD		≤0.25	≤0.05	ps
Pump wavelength range		965~995		nm
Insertion loss (pump)		≤0.6		dB
Insertion loss (tap)		5%(5/95):14.5 , 10%(10/90):11.3		dB
Transmitted isolation @ λ-pump		≥30		dB
Reflected isolation @ λ-signal		≥15		dB
PDL		≤0.1		dB
WDL(except tap port)		≤0.3		dB
Directivity		≥55		dB
Return loss		≥50		dB
Thermal stability (except tap port)		≤0.005		dB/°C
Power handling		≤500		mW
Operating temperature		-5 ~ +70		°C
Storage temperature		-40 ~ +85		°C
Package dimension		Φ5.5 × L38		mm
Fiber type: (common / pump)		Corning Hi1060		-
Fiber type (signal)		Corning SMF-28e		-

* The above specifications are without connector, The maximum IL of connector will be 0.3 dB

Mechanical Dimension



Ordering Information

specification	GCTIW
Package size	5.5×38
Connector	FC/UPC, FC/APC etc
Pigtail type	0=250μm, 1=900μm, 4=others
Working Axis	F=Fast axis blocked, B=Both axis working
Pump Type	FP=Forward Pump; BP=Backward Pump;
Isolator Stage Type	D=Dual stage, S=Single stage
Tap Ratio	01=1%, 05=5% etc.
Reflection wavelength	Specify
Transmission wavelength	Specify