

Features

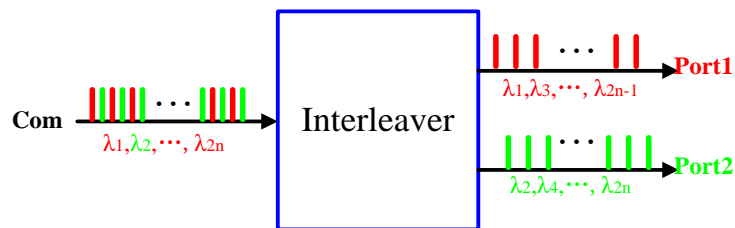
- Flat & wide passband with deep isolation
- Low IL and PDL
- Athermal and robust
- Hermetically sealed package

Applications

- Network capacity expansion
- DWDM system
- Metro/Long-haul systems of 40Gb/s network



Function Diagram



Specifications

Parameter	Unit	Minimum	Typical	Maximum	Notes
Channel spacing	GHz	50			Port: "Com"
		100			Ports: "Port1" and "Port2"
Wavelength range (C-band)	nm	1528.77		1567.95	L band is available
Clear passband	GHz	+/-10			From ITU wavelength
Insertion Loss	dB			2.0	Tested within passband of +/-5GHz, with connectors
Insertion Loss Uniformity	dB			1.0	
Wavelength Accuracy	nm			0.04	
Isolation	dB	25			Tested within passband of +/-10GHz
Passband@0.5dB	GHz	+/-10			
Passband Ripple	dB			0.5	
PMD	ps			0.2	
PDL	dB			0.5	
Return loss	dB	40			
Directivity	dB	45			
Optical Input Power	mW		300		
Operating Temperature	°C	0		+65	
Storage Temperature	°C	-40		85	
Fiber	N/A	SMF-28e+ with 0.9mm loose tube			

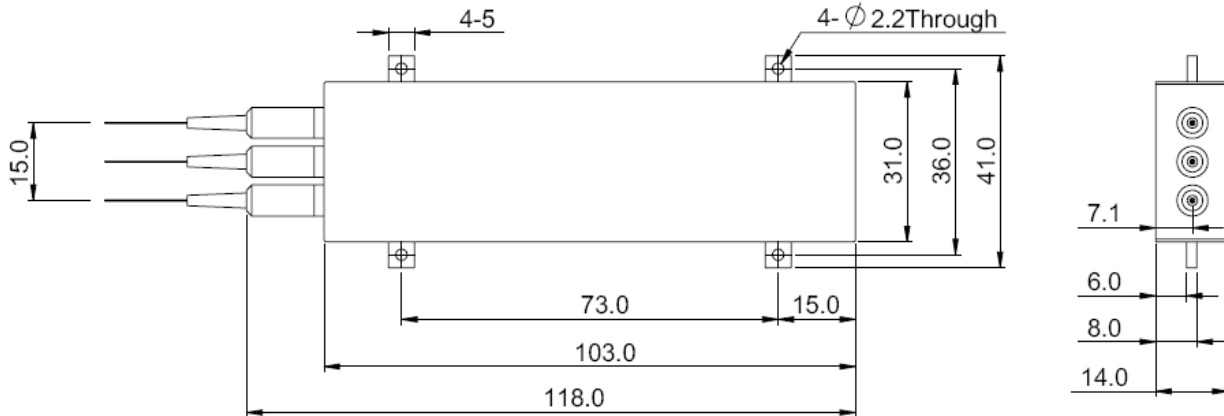
*. All the specifications are guaranteed over wavelength, polarization and temperature.

** . Specifications are subject to change without notice.

Mechanical Parameters

Dimensions	103*31*14.2mm
Fiber Length	1+/-0.1m or Customizable
Fiber Connector Type	Customizable

Dimensions Drawing (unit: mm)



Ordering Information (Example: ITL-12220)

ITL-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Wavelength	Channel Spacing	Fiber Type	Fiber Length	Connector Type	
1、 C Band	1、 25/50GHz	1、 250um fiber	1、 0.5+/-0.1 m	0.No connectors	
2、 L Band	2、 50/100GHz	2、 900um fiber	2、 1.0+/-0.1 m	1.FC/UPC	
	3、 100/200GHz	3、 Others	3、 Others	2.FC/APC	
				3.SC/UPC	
				4.SC/APC	
				5.LC/PC	
				6.MU/PC	
				7.Others	

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