



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



## 50GHz WB Interleaver

### Features:

- Wide passband and low dispersion
- Passively athermalized
- High isolation and low insertion loss
- Fully qualified to Telcordia 1209/1221
- Compact size
- RoHS compliance



The Finisar 50GHz Wide Band interleaver efficiently demultiplexes (or multiplexes) 50GHz spaced channels into two sets of 100GHz spaced channels, which is the best solution to upgrade the existing 100GHz spacing system and cost saving to the equipment manufacturer. This passively athermalized interleaver offers exceptional performance in an ultra-compact form factor.

### Specifications:

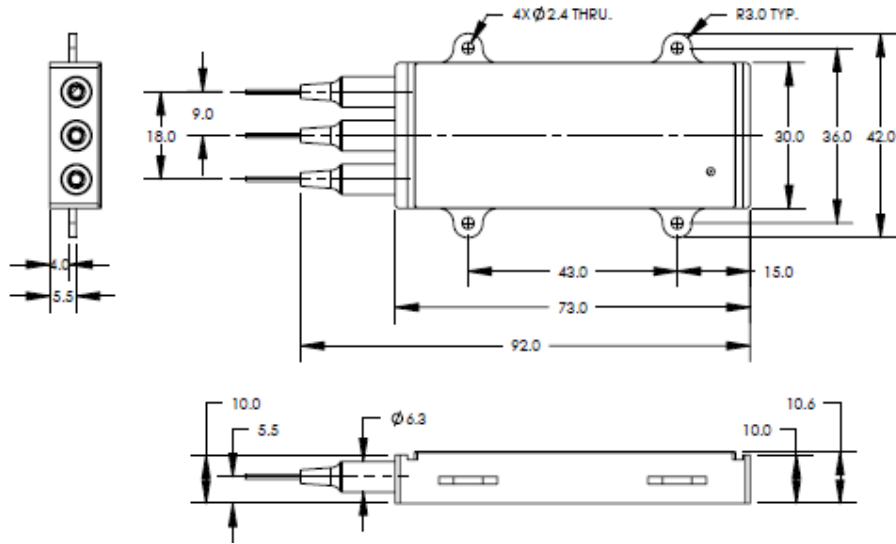
Parameter	Unit	Minimum	Typical	Maximum
Wavelength range	nm	1528.77	C band	1566.72
Channel spacing	nm		50GHz	
0.5 dB Passband relative to ITU grid <sup>1</sup>	GHz	± 13.5	± 14	
1 dB Passband relative to ITU grid <sup>1</sup>	GHz	± 15		
3 dB Passband relative to ITU grid <sup>1</sup>	GHz	± 19	± 20	
25dB Stopband relative to ITU grid <sup>1</sup>	GHz	± 10		
IL over passband <sup>1,2</sup>	dB			2.2
IL uniformity within port <sup>1</sup>	dB			0.5
IL uniformity all ports <sup>1</sup>	dB			1
IL ripple over passband <sup>1</sup>	dB		0.3	0.5
Isolation over stopband <sup>1</sup>	dB	25		
Polarization dependent loss* (PDL)	dB		0.3	0.5
Polarization mode dispersion (PMD)	ps		0.2	0.4
Dispersion over passband	ps/nm	-35	20	+35
Return loss	dB	40	45	
Directivity	dB		55	
Thermal stability (center $\lambda$ drift)	pm/°C		0.2	
Operating temperature range	°C	-5		+70
Optical power handling	mW	500		
Connector type	-	SC/PC or LC/PC, others upon request		
Pigtail length	m	1.0±0.1, others upon request		
Dimensions (L x W x H)	mm	92x42x10.6		

Note#1: Over all operating temperatures

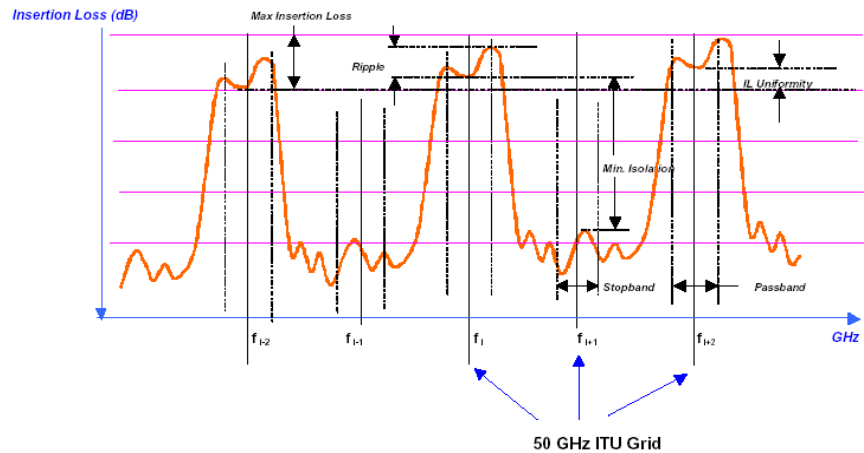
Note#2: Connector loss included

Note#3: Specification change without notice.

## Package Dimensions: (Unit: mm)



## Definition of the Optical Parameters:



## Ordering Information

### Part Number Description

FINF050-100WCLL1 50/100GHZ interleaver, C band, SC/PC connector  
 FINF050-100WCLL2 50/100GHZ interleaver, C band, LC/PC connector