



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



# DIPLEXERS FOR CABLE MODEMS, SET TOP BOXES AND GATEWAYS



-  Integrated duplexers and coaxial F-connectors
-  DOCSIS 1.0/1.1/2.0 frequency conformance
-  Multiple countries supported
-  Cost-efficient design

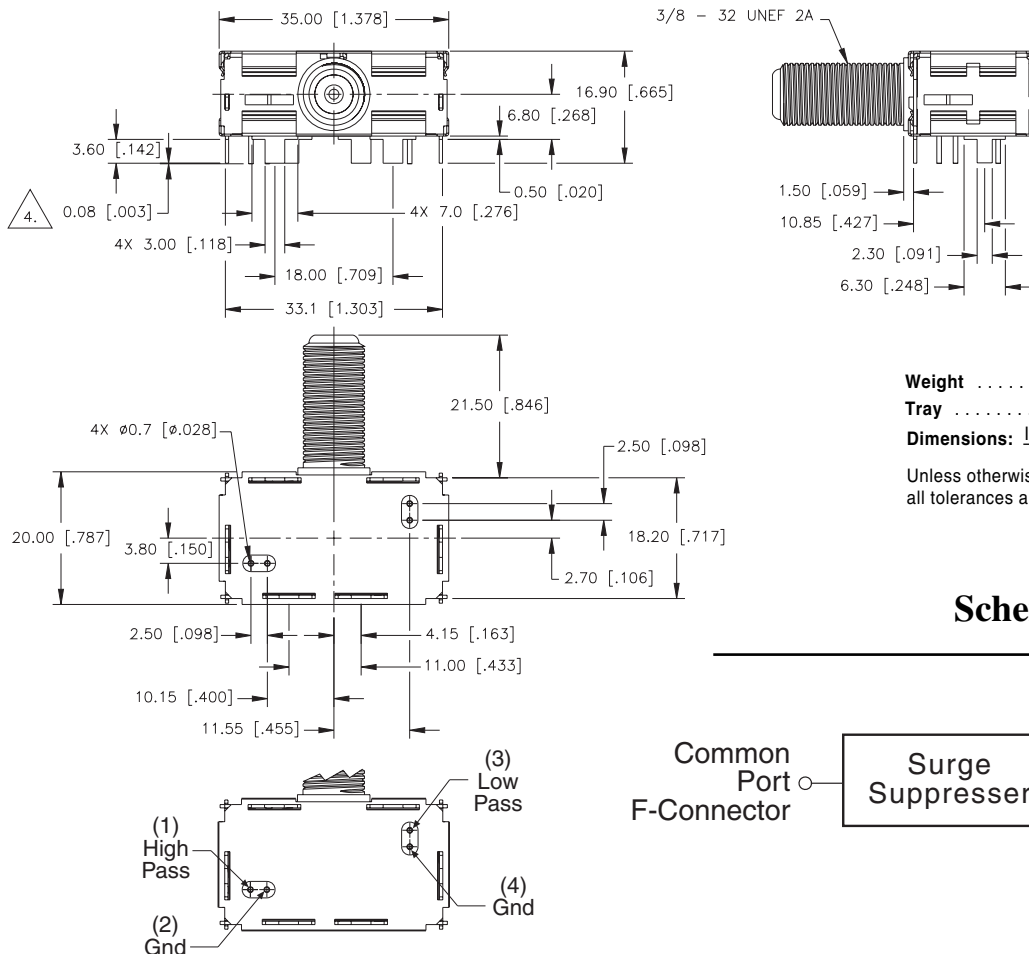
## Electrical Specifications @ 25°C

Part Number	Low Pass Filter Passband (MHz)	High Pass Filter Passband (MHz)	Impedance (Ω)
C6026	5-44	58-860	75
C6035	5-42	88-860	75
C6036NL*	10-55	90-770	75
C6086NL*	5-65	108-860	75

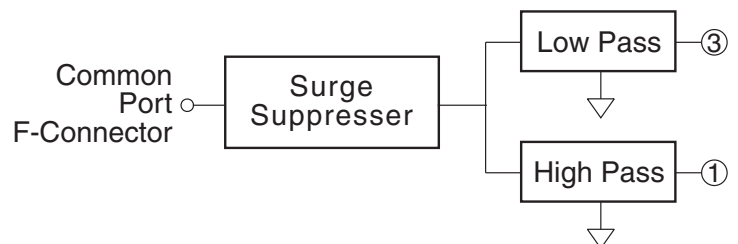
\*NL: Lead Free

## Mechanical

### C60XX/C60XXNL



## Schematic

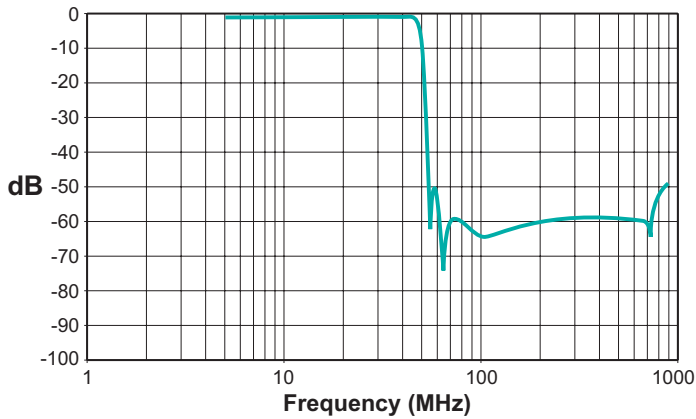


# DIPLEXERS FOR CABLE MODEMS, SET TOP BOXES AND GATEWAYS

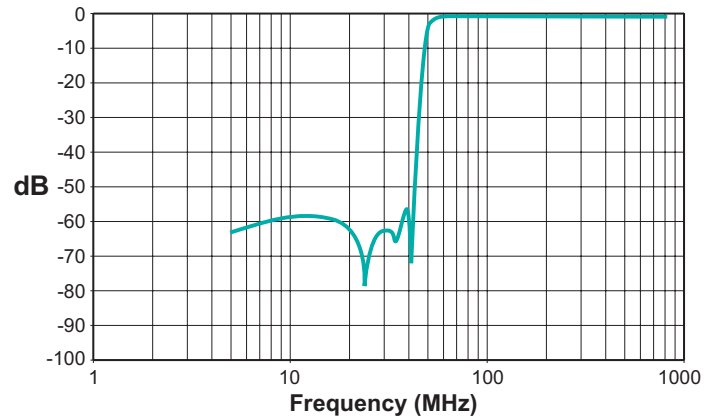


## Typical Performance @ 25°C C6026

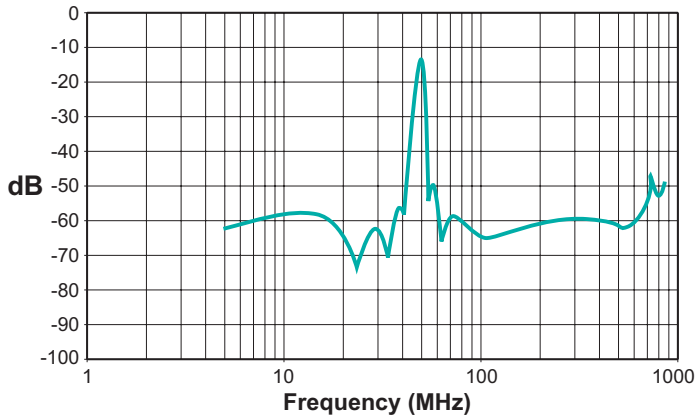
Low Pass Insertion Loss



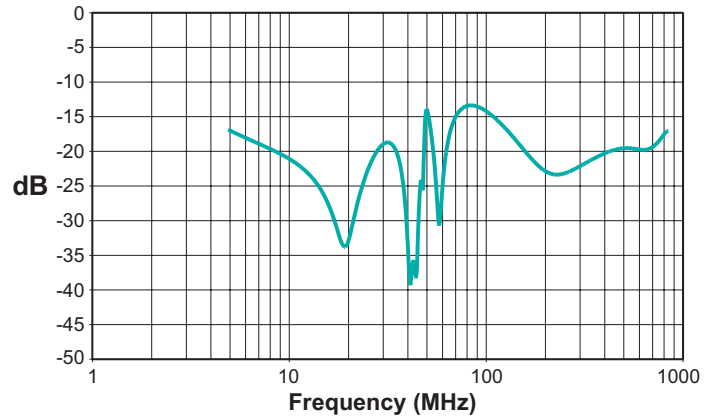
High Pass Insertion Loss



Crossover Isolation



Return Loss

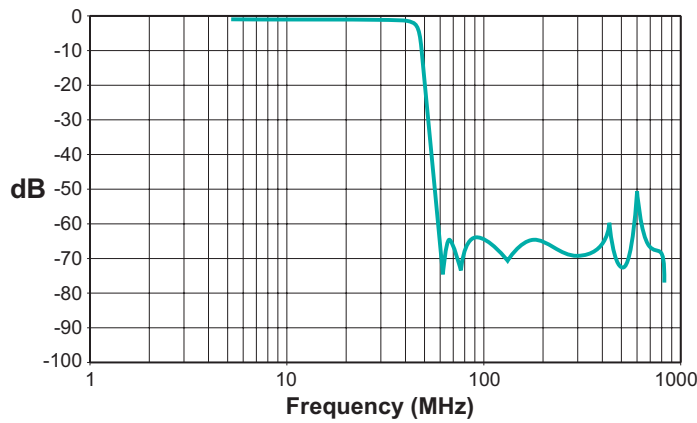


# DIPLEXERS FOR CABLE MODEMS, SET TOP BOXES AND GATEWAYS

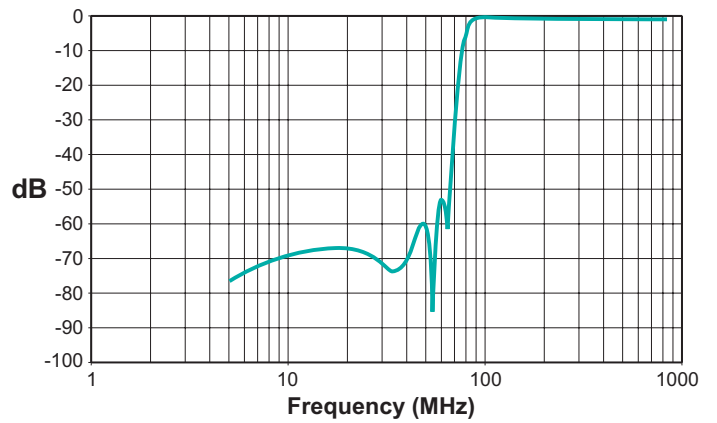


## Typical Performance @ 25°C C6035

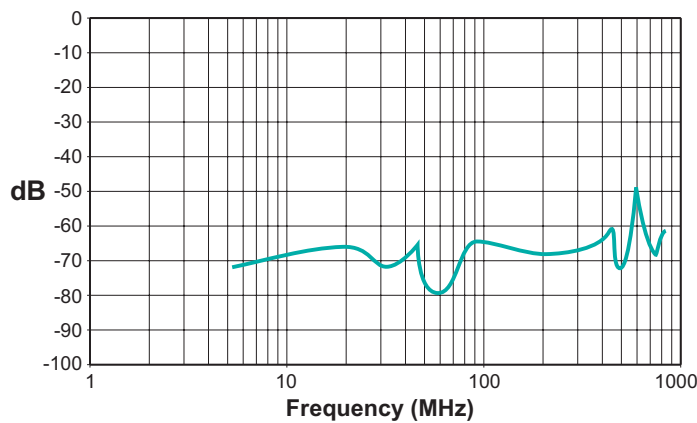
**Low Pass Insertion Loss**



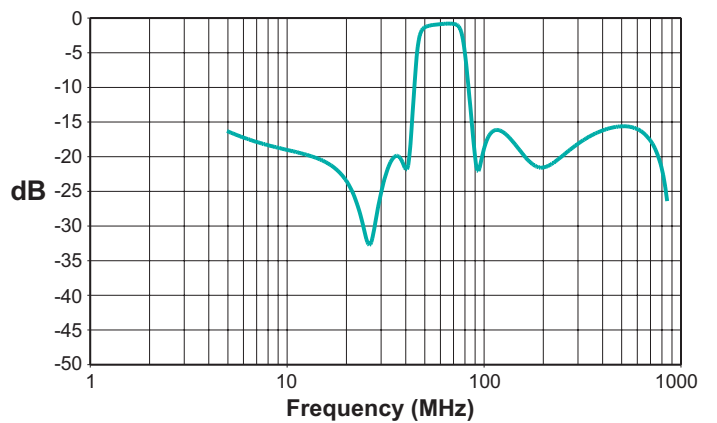
**High Pass Insertion Loss**



**Crossover Isolation**



**Return Loss**

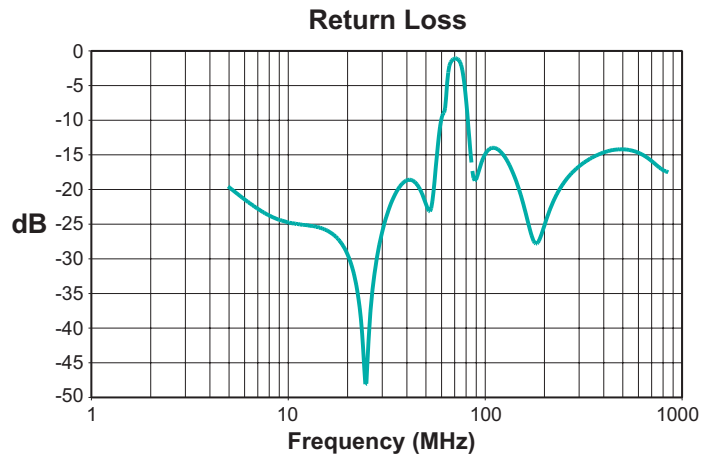
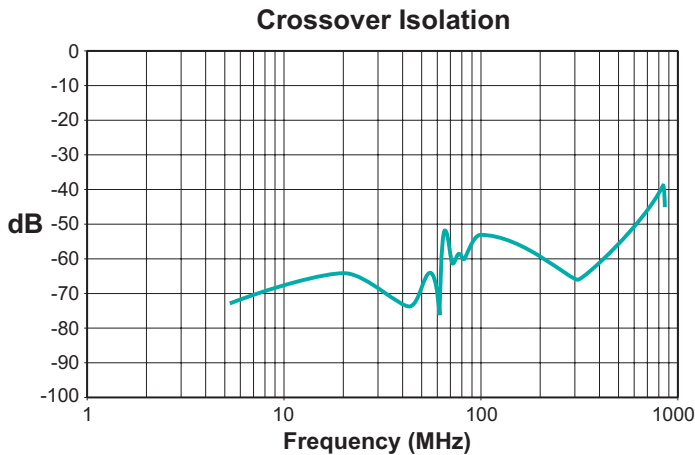
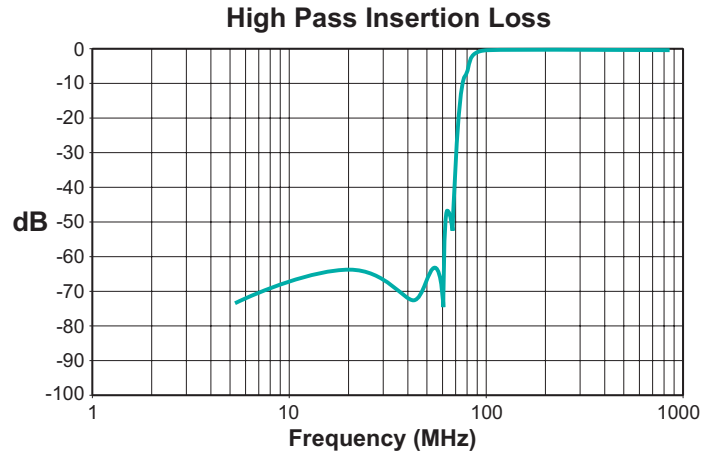
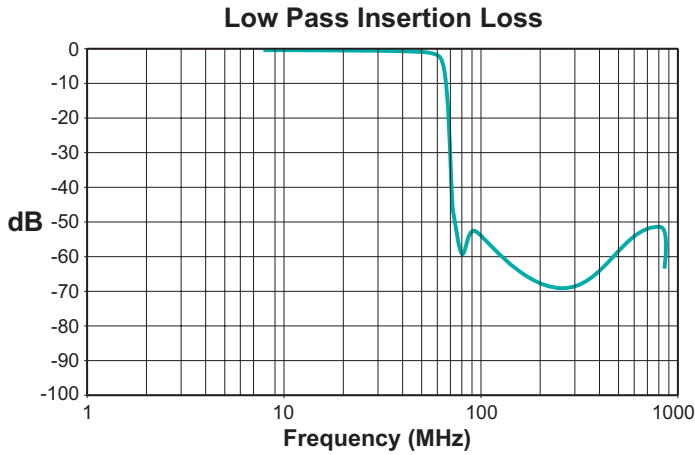




# DIPLEXERS FOR CABLE MODEMS, SET TOP BOXES AND GATEWAYS



## Typical Performance @ 25°C C6036NL

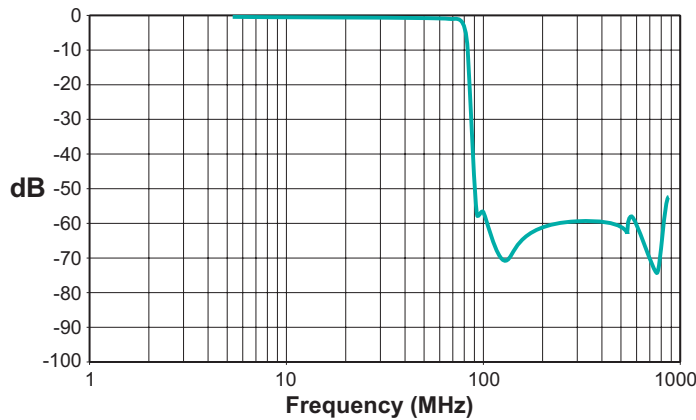


# DIPLEXERS FOR CABLE MODEMS, SET TOP BOXES AND GATEWAYS

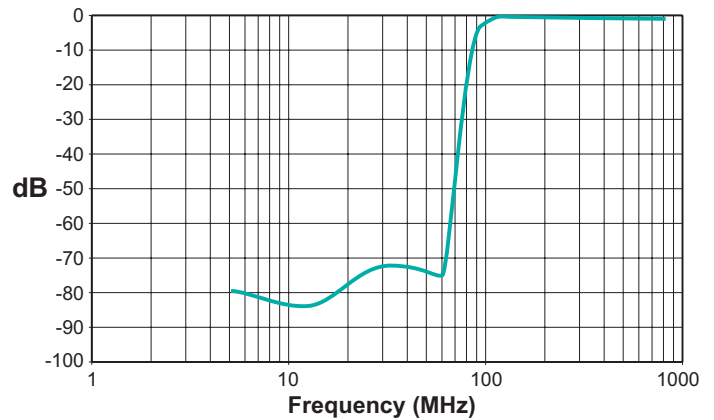


## Typical Performance @ 25°C C6086NL

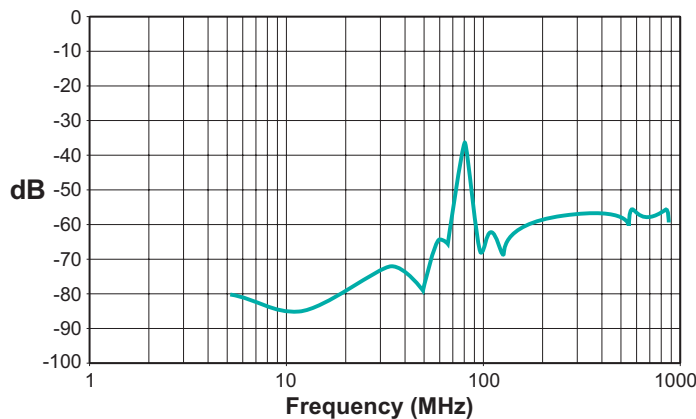
Low Pass Insertion Loss



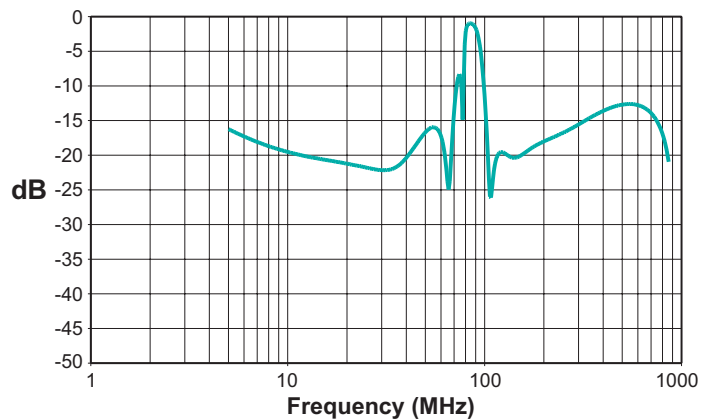
High Pass Insertion Loss



Crossover Isolation



Return Loss



### For More Information:

#### Pulse Worldwide Headquarters

12220 World Trade Dr.  
San Diego, CA 92128  
U.S.A.

[www.pulseeng.com](http://www.pulseeng.com)

TEL: 858 674 8100

FAX: 858 674 8262

#### Pulse Europe

Einsteinstrasse 1  
D-71083 Herrenberg  
Germany

Tel: 49 7032 7806 116

Fax: 49 7032 7806 135

#### Pulse China Headquarters

No. 1  
Industrial District  
Changan, Dongguan  
China

Tel: 86 769 85538070

Fax: 86 769 85538870

#### Pulse North China

Room 1503  
XinYin Building  
No. 888 YiShan Rd.  
Shanghai 200233  
China

Tel: 86 21 54643211/2

Fax: 86 21 54643210

#### Pulse South Asia

150 Kampong Ampat  
#07-01/02  
KA Centre  
Singapore 368324

Tel: 65 6287 8998

Fax: 65 6280 0080

#### Pulse North Asia

No. 26  
Kao Ching Rd.  
Yang Mei Chen  
Taoyuan Hsien  
Taiwan, R. O. C.

Tel: 886 3 4641811

Fax: 886 3 4641911

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