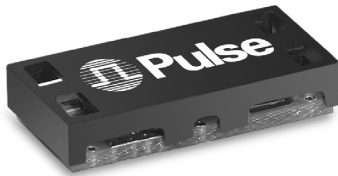


DIPLEXERS FOR CABLE MODEMS, SET TOP BOXES & HFC EQUIPMENT



- Small surface mount component
- 42/54 frequency split¹
- Good isolation port to port
- No tuning required
- 75Ω Impedance

Electrical Specifications @ 25°C — Operating Temperature -40°C to +85°C									
Part Number	Low Pass Filter			High Pass Filter				Isolation (Port to Port)	
	Passband (Insertion Loss)		Return Loss	Passband (Insertion Loss)		Return Loss			
	@ 5-38 MHz	@ 42 MHz	@ 5-42 MHz	@ 54 MHz	@ 80-864 MHz	@ 54-200 MHz	@ 200-864 MHz	@ 5-42 MHz	@ 54-864 MHz
CX6020NL	<1dB ²	<1.5dB	≥14dB	<2dB	<1dB	≥12dB	≥9dB	50 dB MIN	30 dB MIN

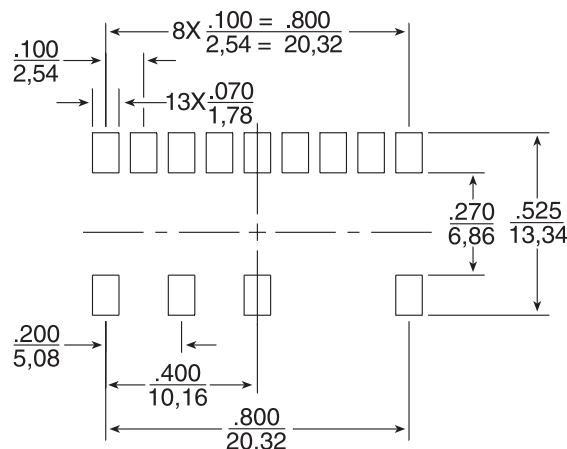
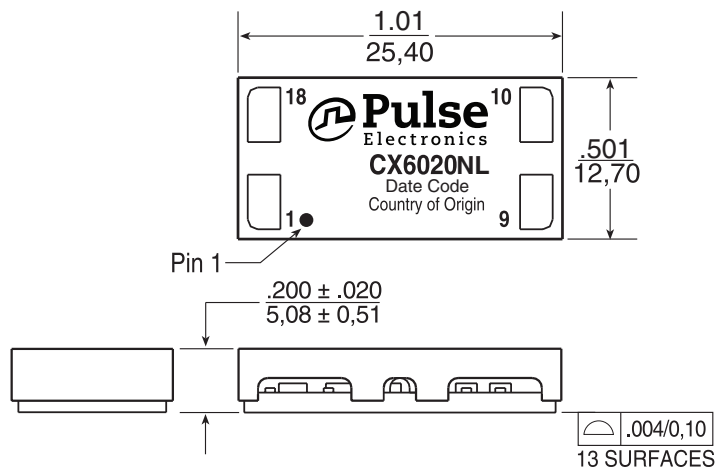
NOTES:

- Additional frequencies are supported on request. Contact Pulse Applications Engineering.
- Including ripple.

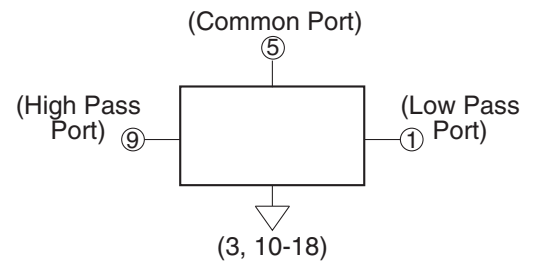
Mechanical

Schematic

CX6020NL



SUGGESTED PAD LAYOUT



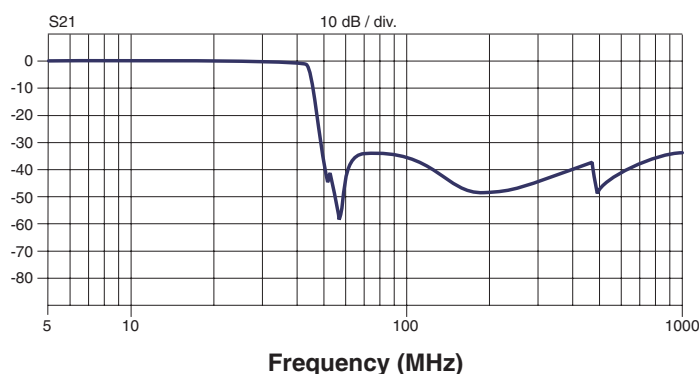
Weight 3.5 grams
Tape & Reel 500/reel
Tube 20/tube

Dimensions: $\frac{\text{Inches}}{\text{mm}}$
Unless otherwise specified,
all tolerances are $\pm \frac{.010}{0,25}$

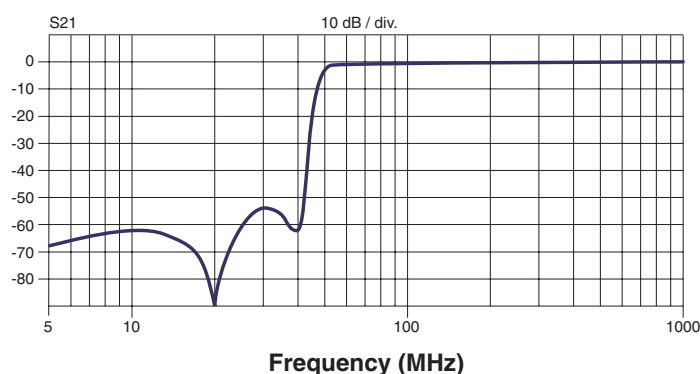
DIPLEXERS FOR CABLE MODEMS, SET TOP BOXES & HFC EQUIPMENT

Typical Performance @ 25°C
CX6020NL

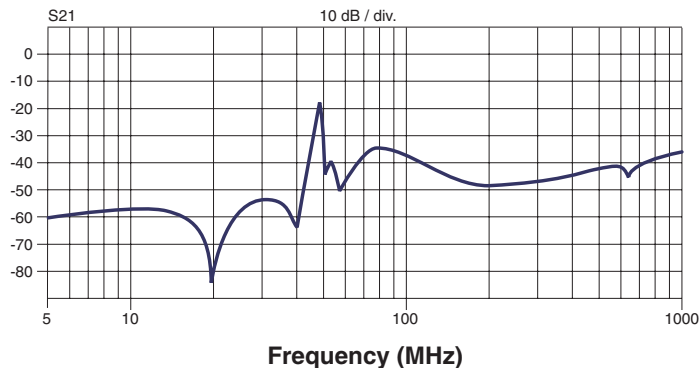
Low Pass Insertion Loss (TYP)



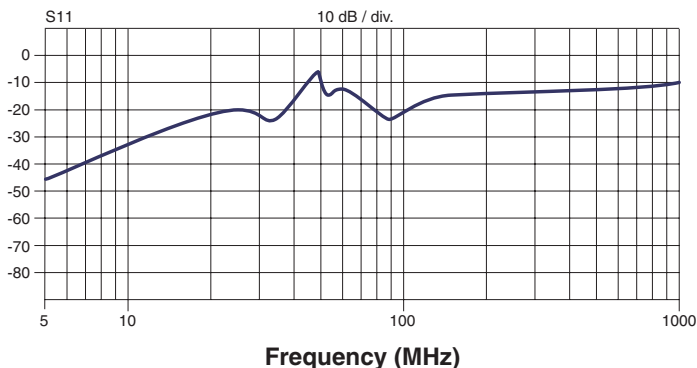
High Pass Insertion Loss (TYP)



Isolation (TYP)



Passband Return Loss (TYP)



For More Information

Pulse Worldwide Headquarters
12220 World Trade Drive
San Diego, CA 92128
U.S.A.

Tel: 858 674 8100
Fax: 858 674 8262

Pulse Europe
Einsteinstrasse 1
D-71083 Herrenberg
Germany

Tel: 49 7032 7806 0
Fax: 49 7032 7806 135

Pulse China Headquarters
B402, Shenzhen Academy of
Aerospace Technology Bldg.
10th Kejinan Road
High-Tech Zone
Nanshan District
Shenzhen, PR China 518057
Tel: 86 755 33966678
Fax: 86 755 33966700

Pulse North China
Room 2704/2705
Super Ocean Finance Ctr.
2067 Yan An Road West
Shanghai 200336
China
Tel: 86 21 62787060
Fax: 86 2162786973

Pulse South Asia
135 Joo Seng Road
#03-02
PM Industrial Bldg.
Singapore 368363
Tel: 65 6287 8998
Fax: 65 6287 8998

Pulse North Asia
3F, No. 198
Zhongyuan Road
Zhongli City
Taoyuan County 320
Taiwan R. O. C.
Tel: 886 3 4356768
Fax: 886 3 4356823 (Pulse)
Fax: 886 3 4356820 (FRE)

Performance warranty of products offered on this data sheet is limited to the parameters specified. Data is subject to change without notice. Other brand and product names mentioned herein may be trademarks or registered trademarks of their respective owners. © Copyright, 2011. Pulse Electronics, Inc. All rights reserved.