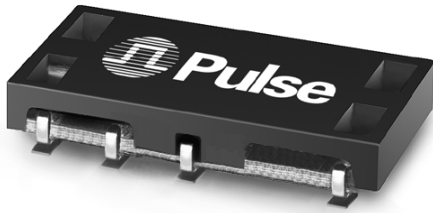


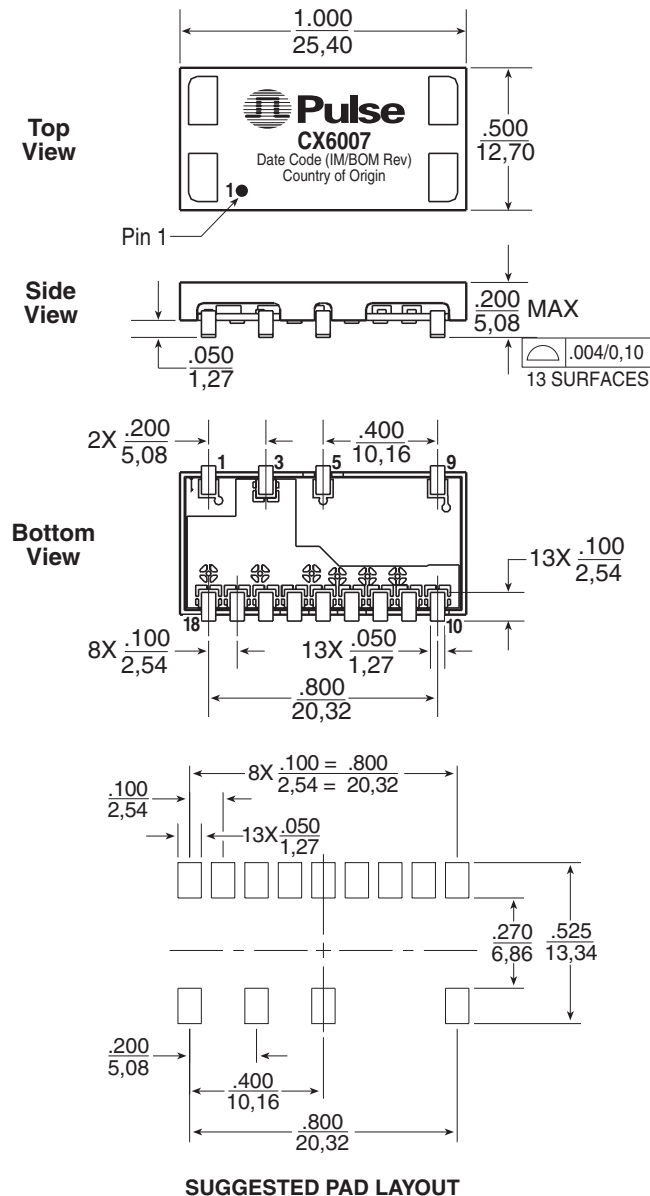
DIPLEXERS FOR CABLE MODEMS, SET TOP BOXES AND HFC EQUIPMENT



- ⊕ Small surface mount component
- ⊕ DOCSIS compatible frequency split
- ⊕ Excellent isolation port to port
- ⊕ No tuning required

Mechanical

CX6007



Electrical Specifications @ 25°C Operating Temperature -40°C to +85°C

CX6007

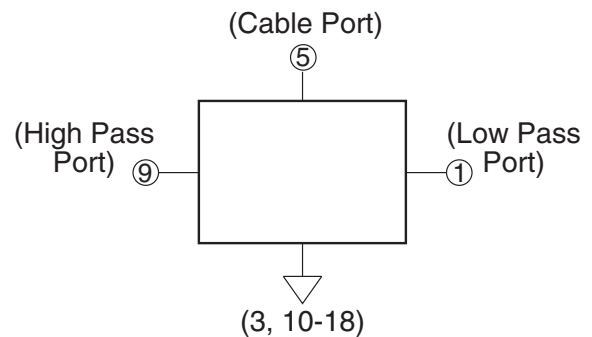
LOW PASS FILTER

Passband	5 - 42 MHz	Insertion loss <1.0 dB
Return Loss	5 - 42 MHz	14 dB or better

HIGH PASS FILTER

Passband	88 - 864 MHz	Insertion loss <1 dB
Return Loss	88 - 864 MHz	14 dB or better
Impedance	75 Ω	All ports
Isolation (Port to Port)	5 - 42 MHz	48 dB minimum
	54 - 864 MHz	30 dB min. (54 - 300 MHz, 45 dB typ.)
Crossover Isolation	42 - 54 MHz	25 dB minimum

Schematic



Weight3.5 grams

Tape & Reel500/reel

Tube20/tube

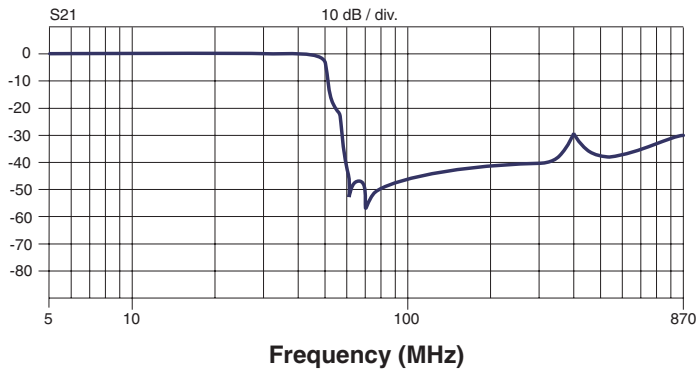
Dimensions: $\frac{\text{Inches}}{\text{mm}}$ Unless otherwise specified, all tolerances are $\pm \frac{.010}{0,25}$

DIPLEXERS FOR CABLE MODEMS, SET TOP BOXES AND HFC EQUIPMENT

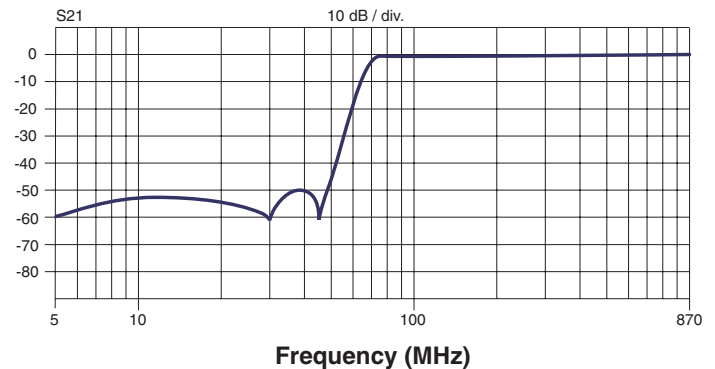


Typical Performance @ 25°C CX6007

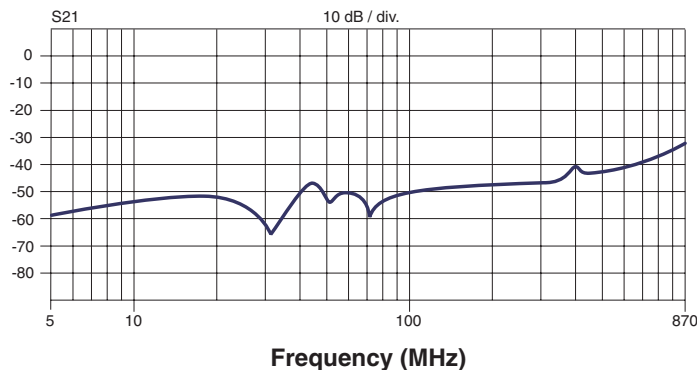
Low Pass Insertion Loss (TYP)



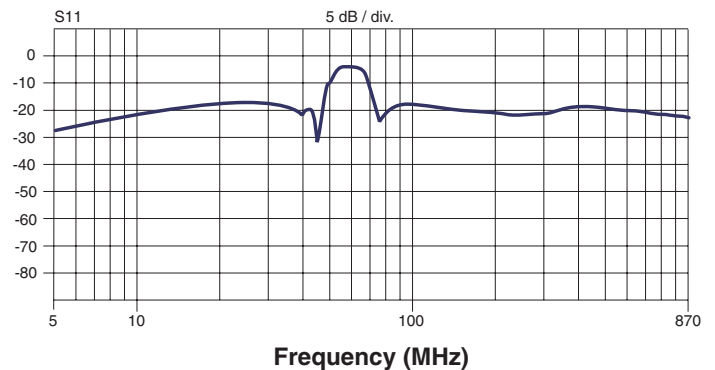
High Pass Insertion Loss (TYP)



Isolation (TYP)



Passband Return Loss (TYP)



For More Information :

UNITED STATES (Worldwide)

12220 World Trade Drive
San Diego, CA 92128
U.S.A.
<http://www.pulseeng.com>
TEL: 858 674 8100
FAX: 858 674 8262

UNITED KINGDOM (Northern Europe)

1 & 2 Huxley Road
The Surrey Research Park
Guildford, Surrey GU2 5RE
United Kingdom
TEL: 44 1483 401700
FAX: 44 1483 401701

FRANCE (Southern Europe)

Zone Industrielle
F-39270
Orgelet
France
TEL: 33 3 84 35 04 04
FAX: 33 3 84 25 46 41

SINGAPORE (Southern Asia)

150 Kampong Ampat
#07-01/02
KA Centre
Singapore 368324
TEL: 65 287 8998
FAX: 65 280 0080

TAIWAN, R.O.C. (Northern Asia)

3F-4, No. 81, Sec. 1
HsinTai Wu Road
Hsi-Chih, Taipei Hsien
Taiwan, R.O.C.
Tel: 886 2 2698 0228
FAX: 886 2 2698 0948

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