

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

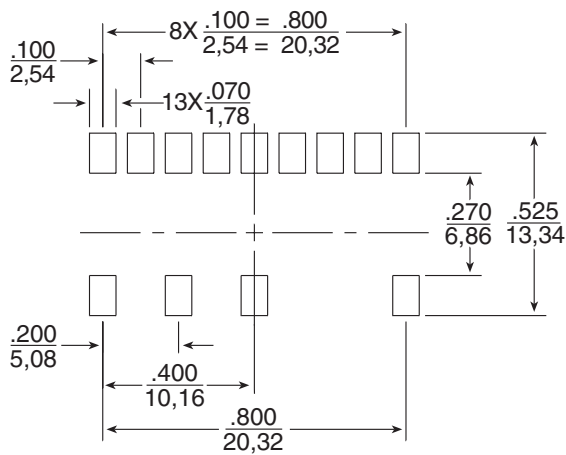
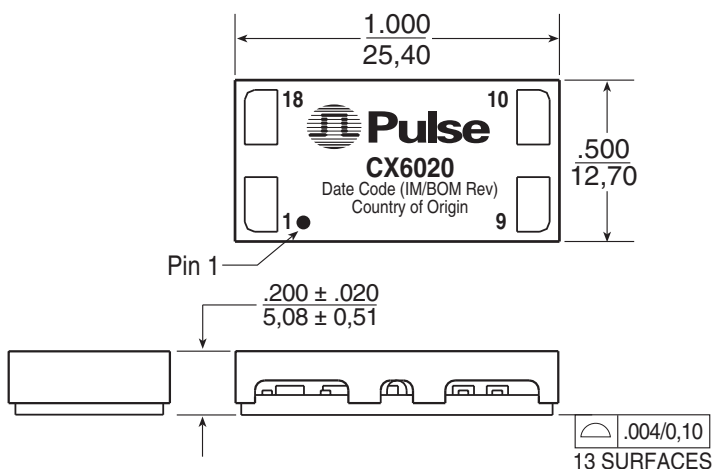
Part Number	Low Pass Filter			High Pass Filter				Isolation (Port to Port)	
	Passband (Insertion Loss)		Return Loss	Passband (Insertion Loss)		Return Loss		@ 5-42 MHz	@ 54-864 MHz
	@ 5-38 MHz	@ 42 MHz		@ 54 MHz	@ 80-864 MHz	@ 54-200 MHz	@ 200-864 MHz		
CX6020	<1dB ²	<1.5dB	≥14dB	<2dB	<1dB	≥12dB	≥9dB	50 dB MIN	30 dB MIN

NOTES: 1. Additional frequencies are supported on request. Contact Pulse Applications Engineering. 2. Including ripple.

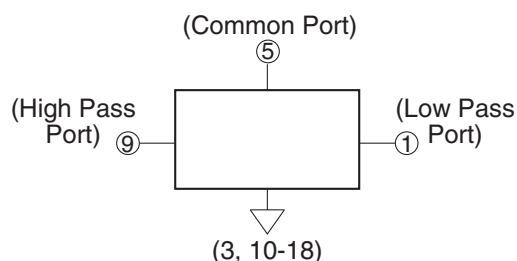
Mechanical

Schematic

CX6020



SUGGESTED PAD LAYOUT



Weight 3.5 grams
Tape & Reel500/reel
Tube20/tube

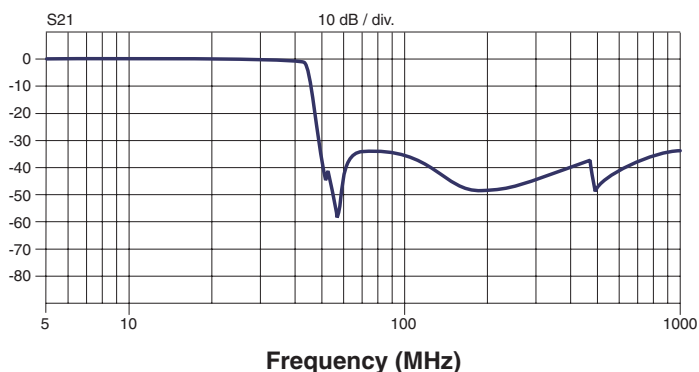
Dimensions: $\frac{\text{Inches}}{\text{mm}}$
Unless otherwise specified,
all tolerances are $\pm \frac{.010}{0,25}$

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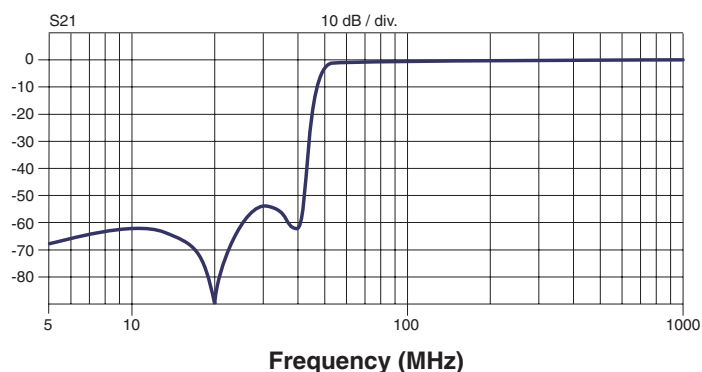


Typical Performance @ 25°C CX6020

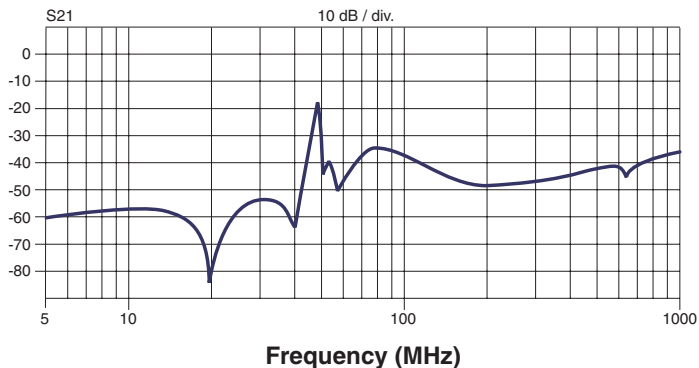
Low Pass Insertion Loss (TYP)



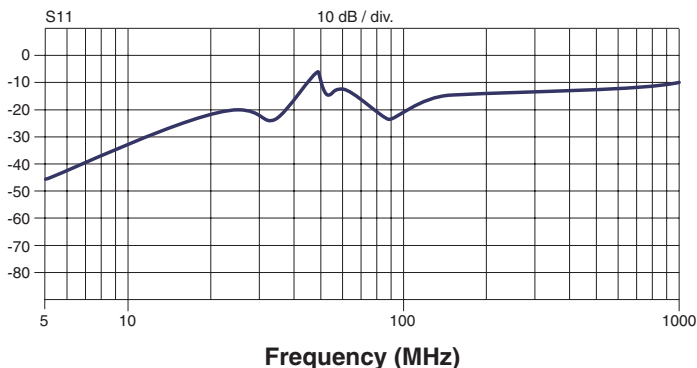
High Pass Insertion Loss (TYP)



Isolation (TYP)



Passband Return Loss (TYP)



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Pulse:

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