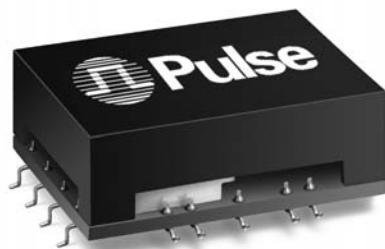


DIPLEXERS FOR HFC EQUIPMENT AND CABLE MODEMS



- Ideal for HFC equipment, cable modem and set top box equipment
- Improved performance
- Small surface mount component
- 42/52MHz frequency splits
- 5 - 870MHz range

Electrical Specifications @ 25°C

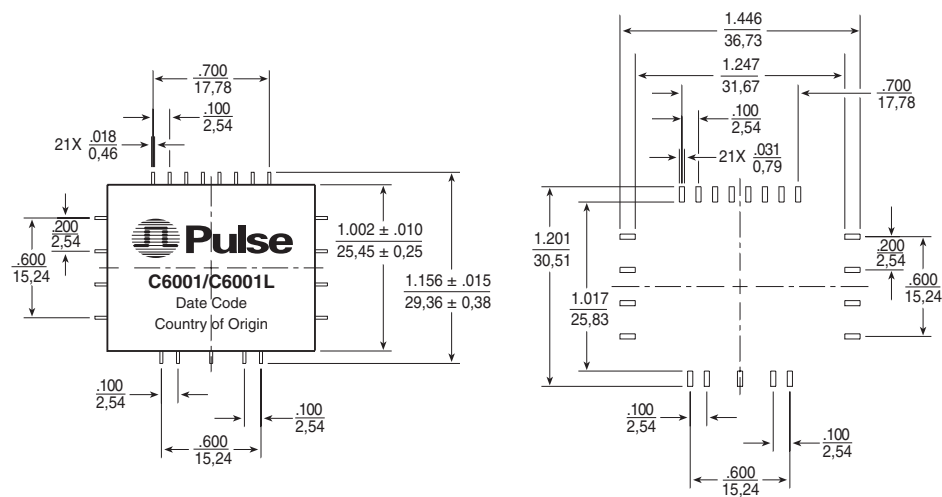
Part No.	Low Pass Filter		High Pass Filter			Impedance (All Ports)	Crossover Isolation @ 42-52MHz	Floor Isolation		
	Passband (dB) (Insertion Loss) @ 5-42MHz	Return Loss (dB) @ 5-42MHz	Passband (dB) (Insertion Loss) @ 52-870MHz	Return Loss (dB)				(dB MIN)		
				@ 52-750MHz	@ 751-870MHz			@ 5-42MHz	@ 52-600MHz	@ 600-870MHz
C6001	<1.0	≥20	<1.0	20	18	75	31	45	43	40
C6001L	<1.2	≥18	<1.0	18	16	75	28	45	43	40

NOTES: **C6001** - capable of withstanding 500Vdc
C6001L (Cost-effective) - capable of withstanding 50Vdc

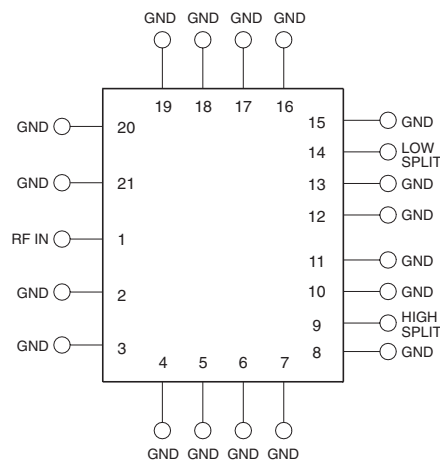
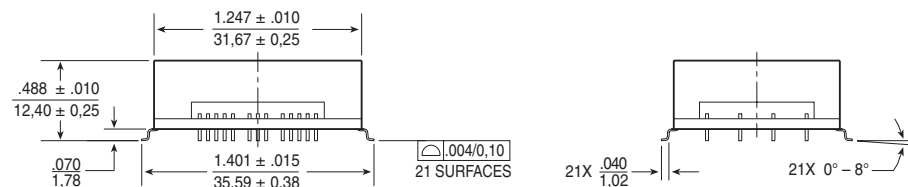
Mechanical

Block Diagram

C6001/C6001L



SUGGESTED PAD LAYOUT



Weight8.5 grams

Tray56/tray

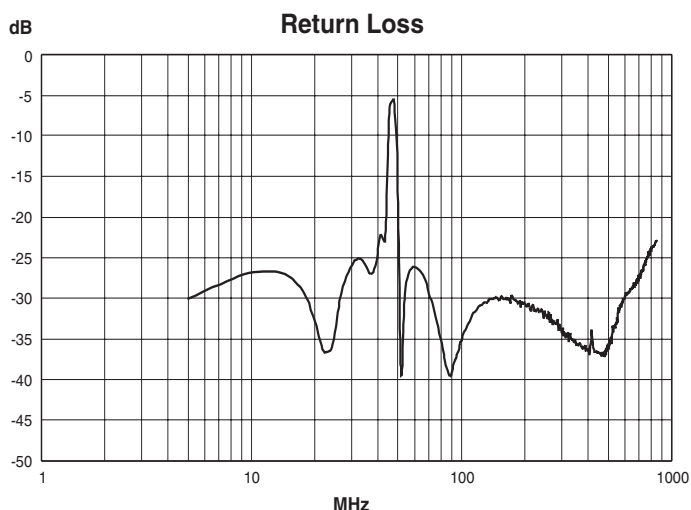
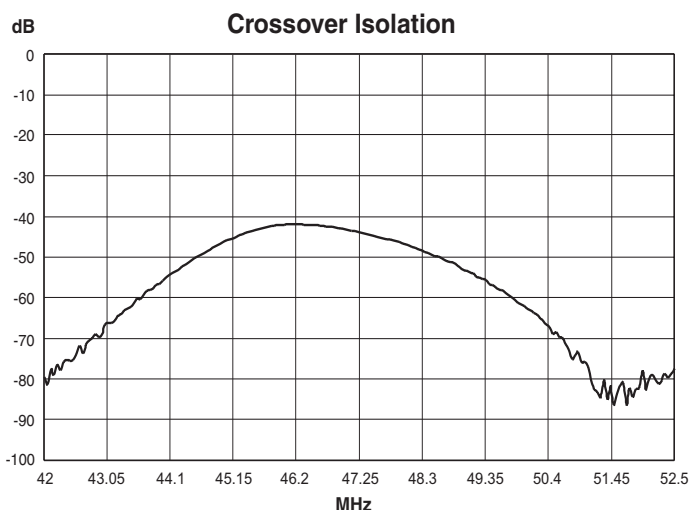
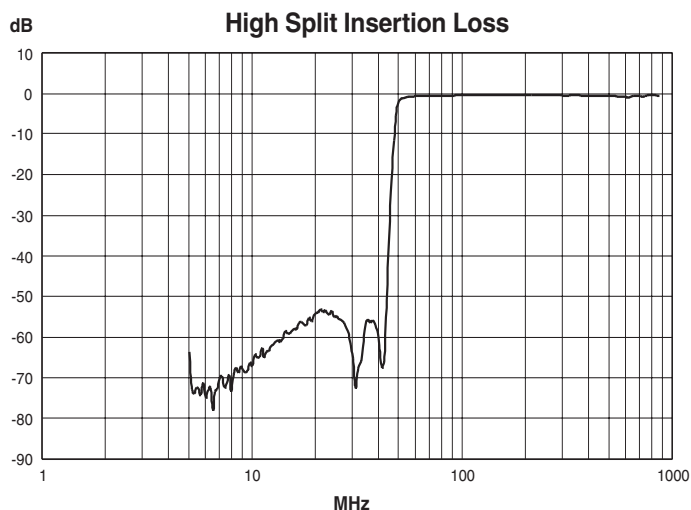
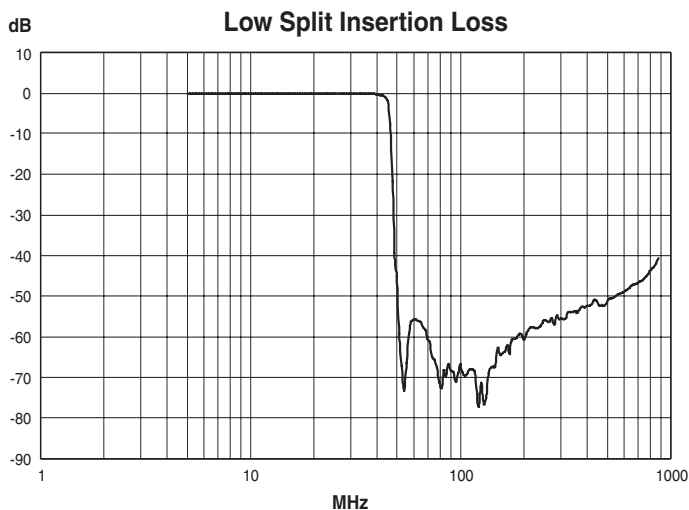
Dimensions: $\frac{\text{Inches}}{\text{mm}}$

Unless otherwise specified, all tolerances are $\pm \frac{.010}{0.25}$

DIPLEXERS FOR HFC EQUIPMENT AND CABLE MODEMS



Typical Performance @ 25°C C6001 and C6001L



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