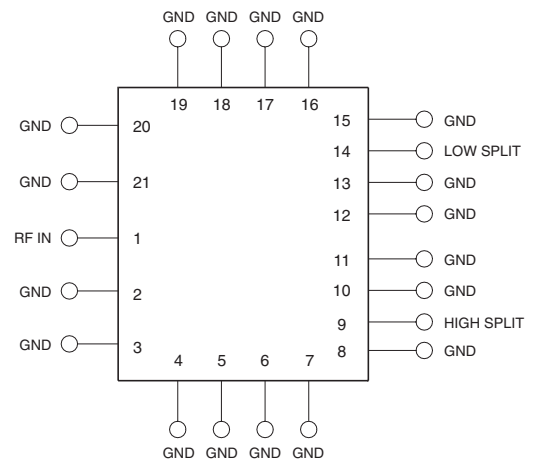


- Ideal for HFC equipment, cable modem and set top box equipment
- Improved performance
- Small surface mount component
- 42/52 MHz frequency splits
- 5 - 870 MHz range
- High crossover isolation

Block Diagram

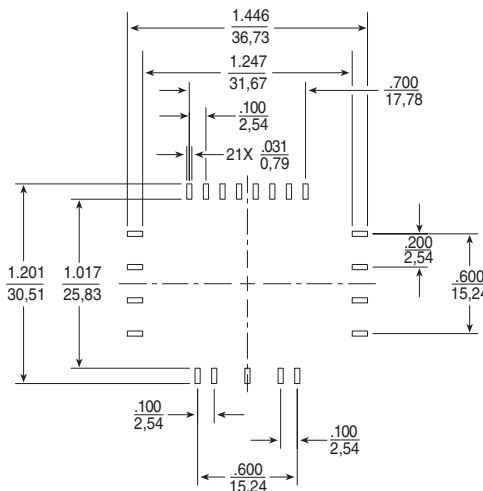
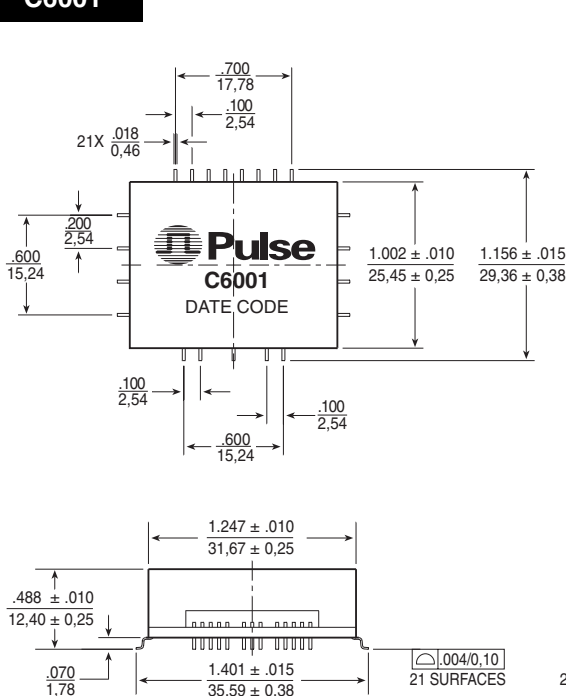
C6001 — Electrical Specifications @ 25°C

LOW PASS FILTER		
Passband	5 - 42 MHz	Insertion loss <1.0 dB
Return Loss	5 - 42 MHz	20 dB or better
HIGH PASS FILTER		
Passband	52 - 870 MHz	Insertion loss <1.0 dB
Return Loss	52 - 750 MHz	20 dB MIN
	751 - 870 MHz	18 dB MIN
Impedance	75 Ω	All ports
Crossover Isolation	42 - 52 MHz	31 dB MIN
Floor Isolation	5 - 42 MHz	45 dB MIN
	52 - 600 MHz	43 dB MIN
	600 - 870 MHz	40 dB MIN

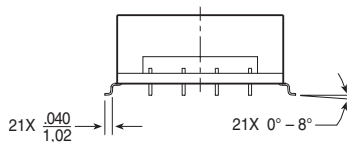


Mechanical

C6001



SUGGESTED PAD LAYOUT



Weight8.5 grams

Tray56/tray

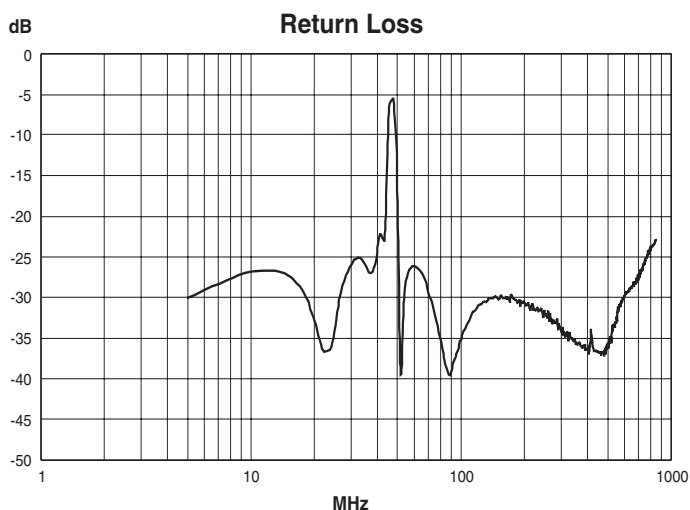
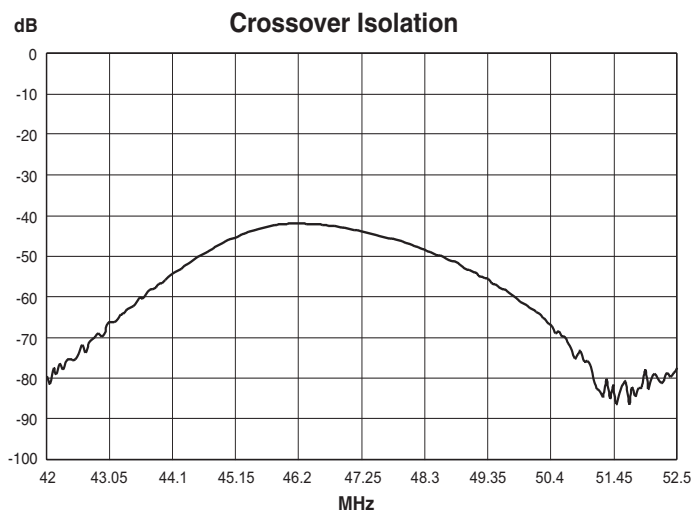
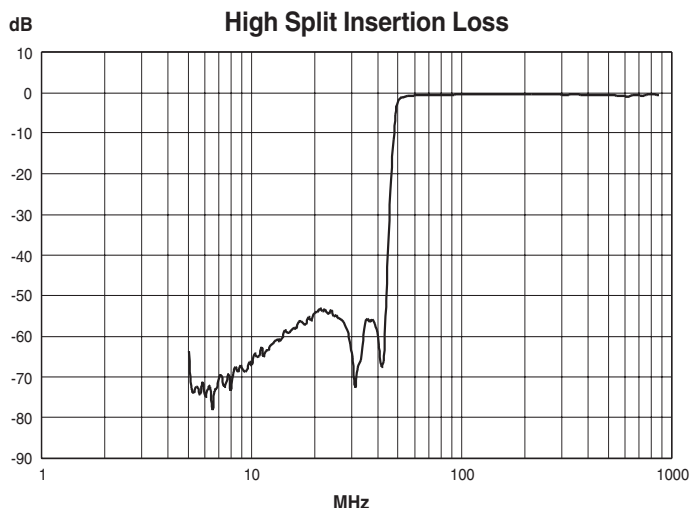
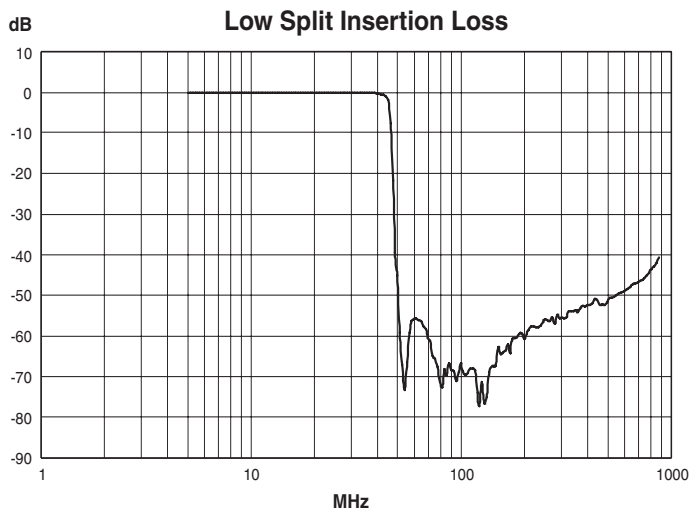
Dimensions: Inches

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

DIPLEXERS FOR HFC EQUIPMENT AND CABLE MODEMS



Typical Performance @ 25°C C6001



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