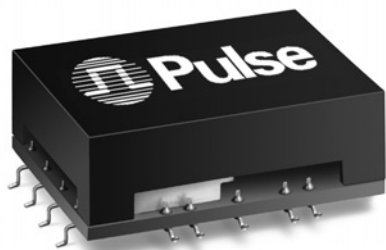


For International Applications



A TECHNITROL COMPANY

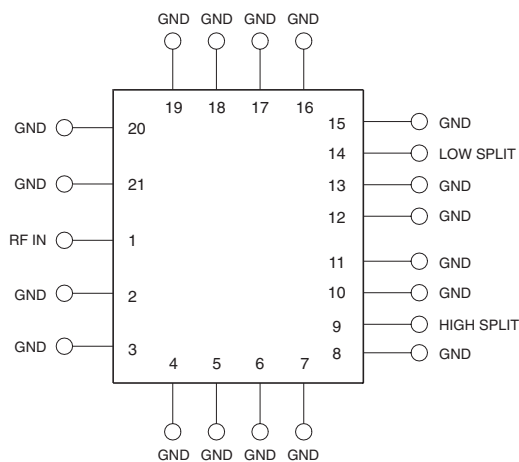


- Ideal for HFC equipment, cable modem and set top box equipment
- 65/85 MHz frequency splits
- 5 to 870 MHz range
- Improved performance
- Small surface mount component
- High crossover isolation

CX6006 — Electrical Specifications @ 25°C

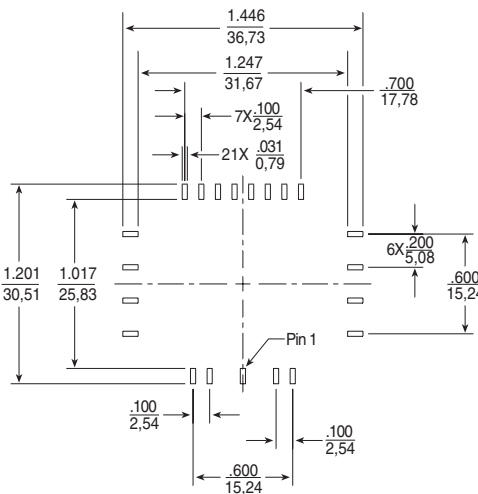
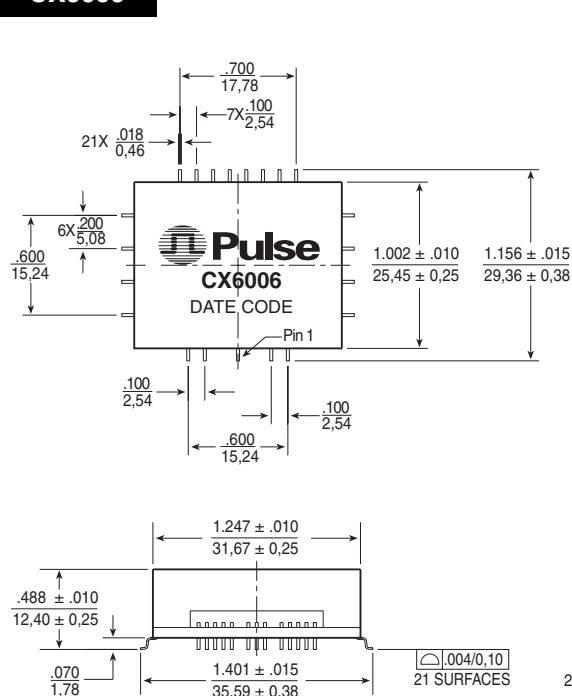
LOW PASS FILTER		
Passband	5 - 65 MHz	Insertion loss <1.2 dB
Return Loss	5 - 65 MHz	20 dB or better
HIGH PASS FILTER		
Passband	85 - 870 MHz	Insertion loss <1.2 dB
Return Loss	85 - 750 MHz	20 dB or better
	751 - 870 MHz	18 dB or better
Impedance	75 Ω	All ports
Crossover Isolation	65 - 85 MHz	30 dB MIN
Floor Isolation	5 - 65 MHz	45 dB MIN
	85 - 400 MHz	43 dB MIN
	400 - 870 MHz	37 dB MIN

Block Diagram

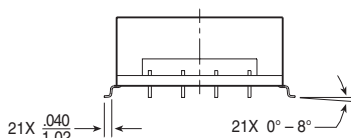


Mechanical

CX6006



SUGGESTED PAD LAYOUT



Weight8.5 grams

Tray56/tray

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

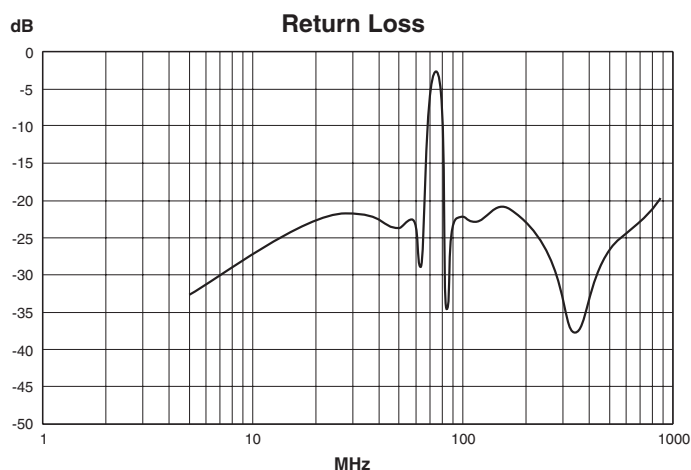
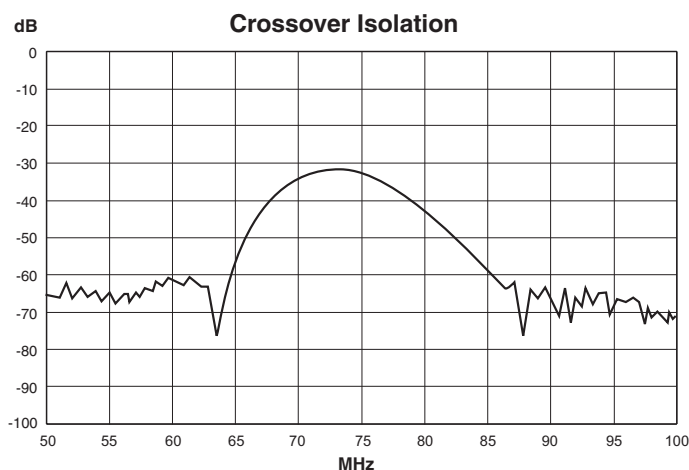
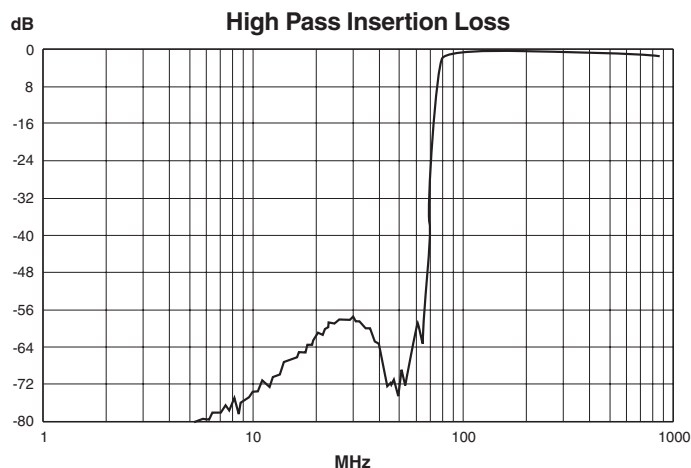
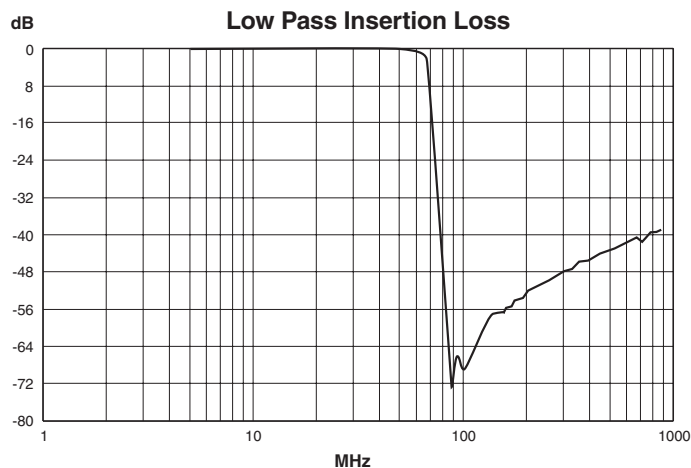
Unless otherwise specified, all tolerances are $\pm \frac{.010}{0.25}$

DIPLEXERS FOR HFC EQUIPMENT AND CABLE MODEMS

For International Applications



Typical Performance @ 25°C CX6006



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