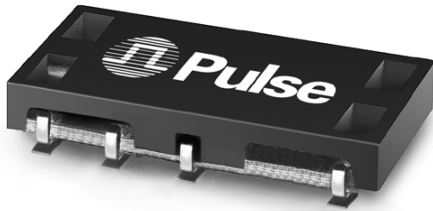


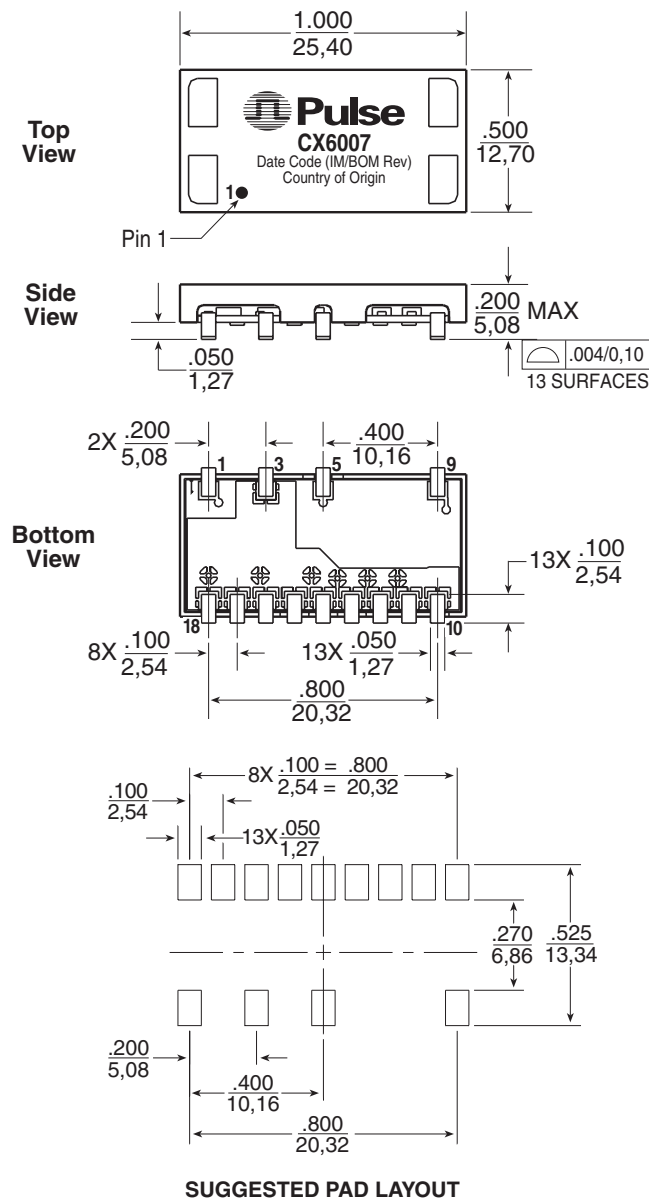
DIPLEXERS FOR CABLE MODEMS, SET TOP BOXES AND HFC EQUIPMENT



- 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

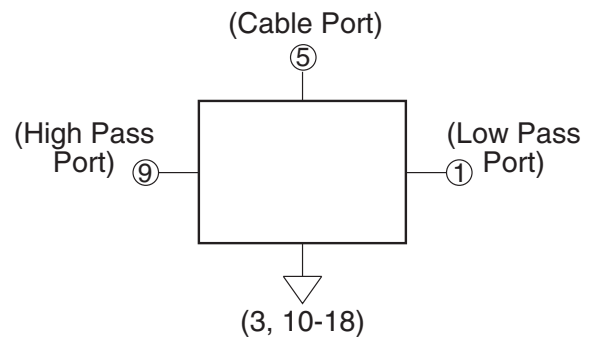
LOW PASS FILTER

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

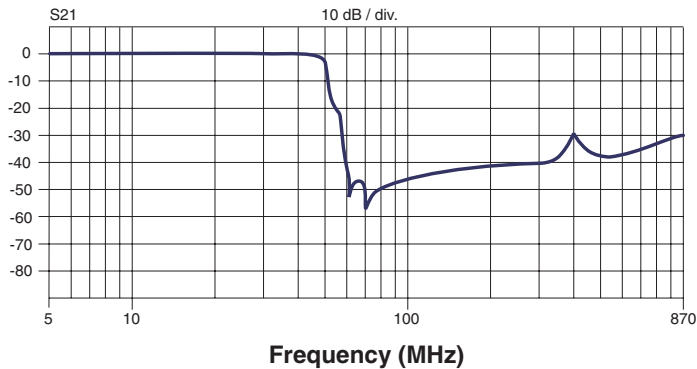
Dimensions: $\frac{\text{Inches}}{\text{mm}}$ Unless otherwise specified, all tolerances are $\pm \frac{.010}{0,25}$

DIPLEXERS FOR CABLE MODEMS, SET TOP BOXES AND HFC EQUIPMENT

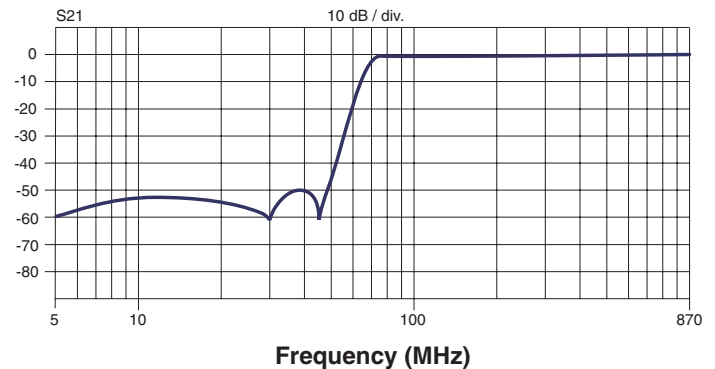


Typical Performance @ 25°C CX6007

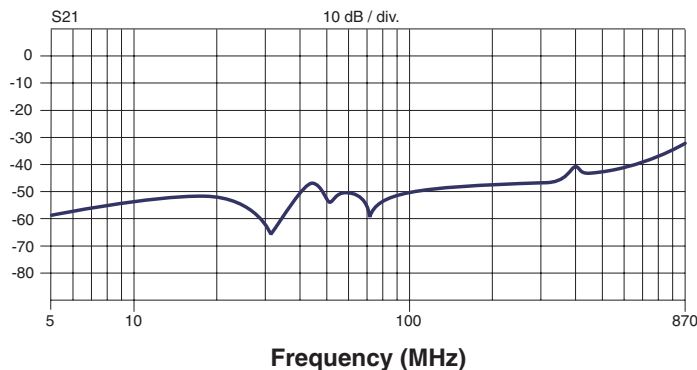
Low Pass Insertion Loss (TYP)



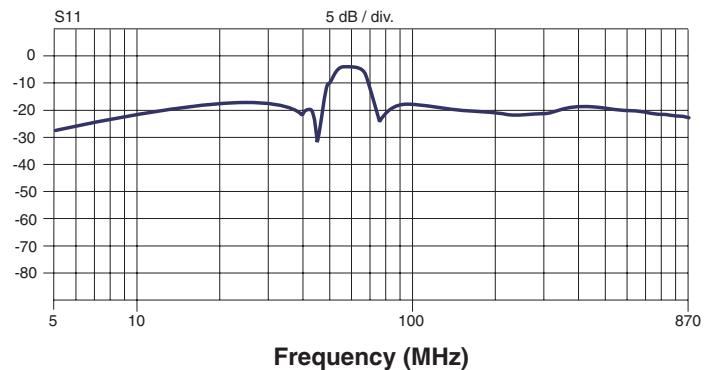
High Pass Insertion Loss (TYP)



Isolation (TYP)



Passband Return Loss (TYP)



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