

TS6201

PowerMatch™

Absorptive Low Pass Filter



FEATURES

- 0.3 dB insertion loss
- 80 dB stopband rejection
- VSWR < 1.5
- 100 W CW power handling



DESCRIPTION

The TS6201 is an absorptive low pass filter that is typically placed at the output of a high power transmitter to remove unwanted interference, such as harmonics. Its absorptive property provides a 50-ohm impedance match to your amplifier to minimize reflected power and maximize stopband rejection under all load conditions.

RF PERFORMANCE

Parameter	Sym	Min	Typ	Max	Units	Comments
Impedance	Z_0		50		Ω	
Passband	B_{PASS}	0		170	MHz	
Stopband	B_{STOP}	400		1000	MHz	
Passband Insertion Loss	IL_P		0.3	0.5	dB	
Stopband Insertion Loss	IL_S	65	80		dB	
Passband CW Power Handling	$P_{IN,P}$	100			W	
Stopband CW Power Handling	$P_{IN,S}$	20			W	
VSWR			1.2	1.5		

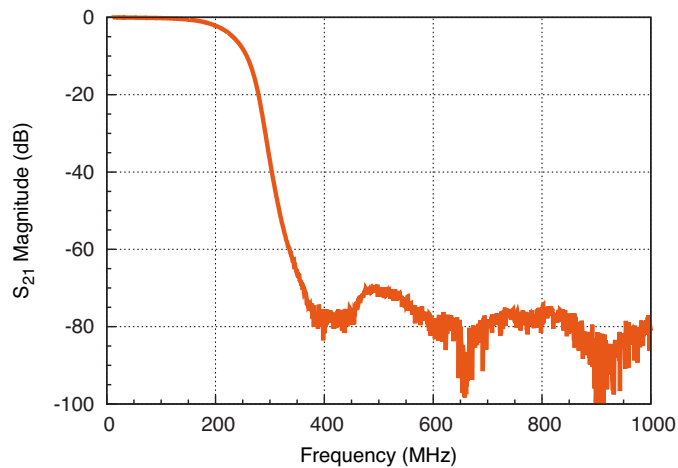


Fig. 1 : Typical measured S_{21} response

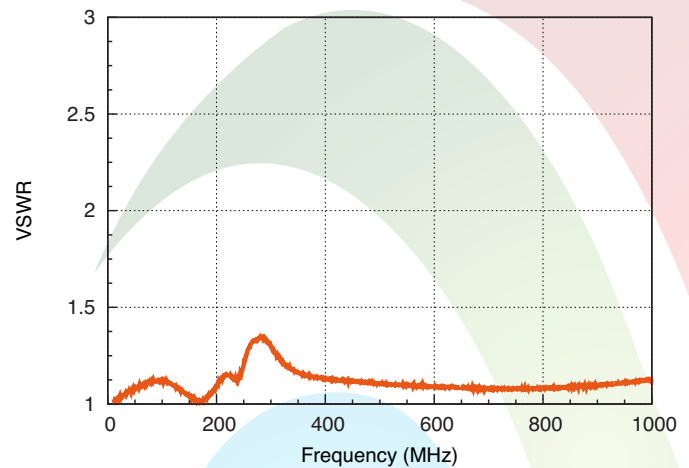


Fig. 2 : Typical measured VSWR response

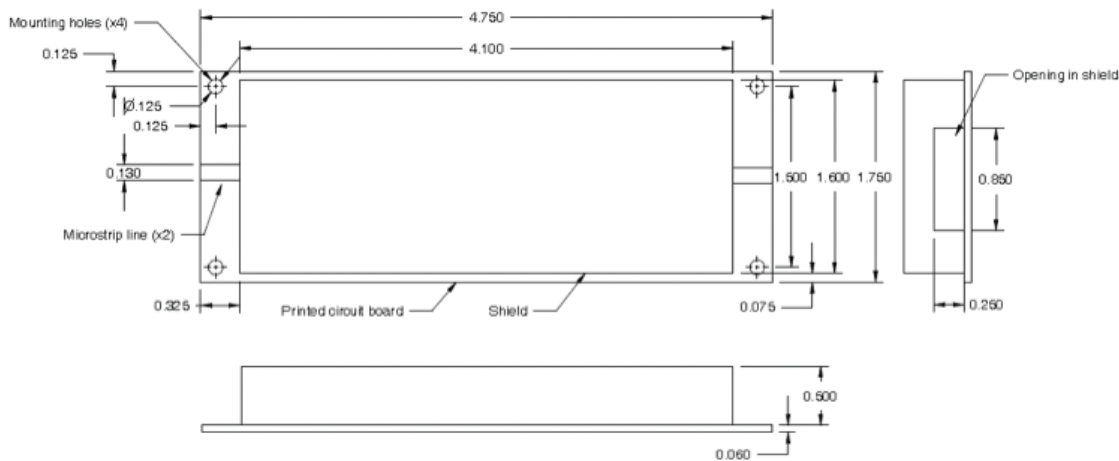
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MECHANICAL



Product is shown with solder tabs for surface mounting. Other connector styles are available upon request. All dimensions are in inches.