



MtronPTI Ultra-Miniature Lumped Element Filters

MtronPTI **Ultra-Miniature** Lumped Element Filters are available in multiple frequency ranges. Using nearly fifty years of high performance filter design and manufacturing – down to custom designed and tuned coils – As the communication systems shrink in size MtronPTI's **Ultra-Miniature** Lumped Element Filters helps you get the extra space required, when it counts most.

Features:

Small Size 0.7"x 0.25"x 0.20" max.

Wideband Bandpass, Lowpass, Highpass options

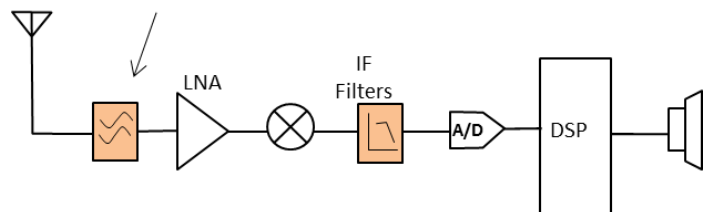
Reflow Capable Gull Wing Filters

Frequency Range: 300 to 5000 MHz

2 to 5 Sections

Power Handling 1 Watt CW

Ultra-Miniature Front End Filters

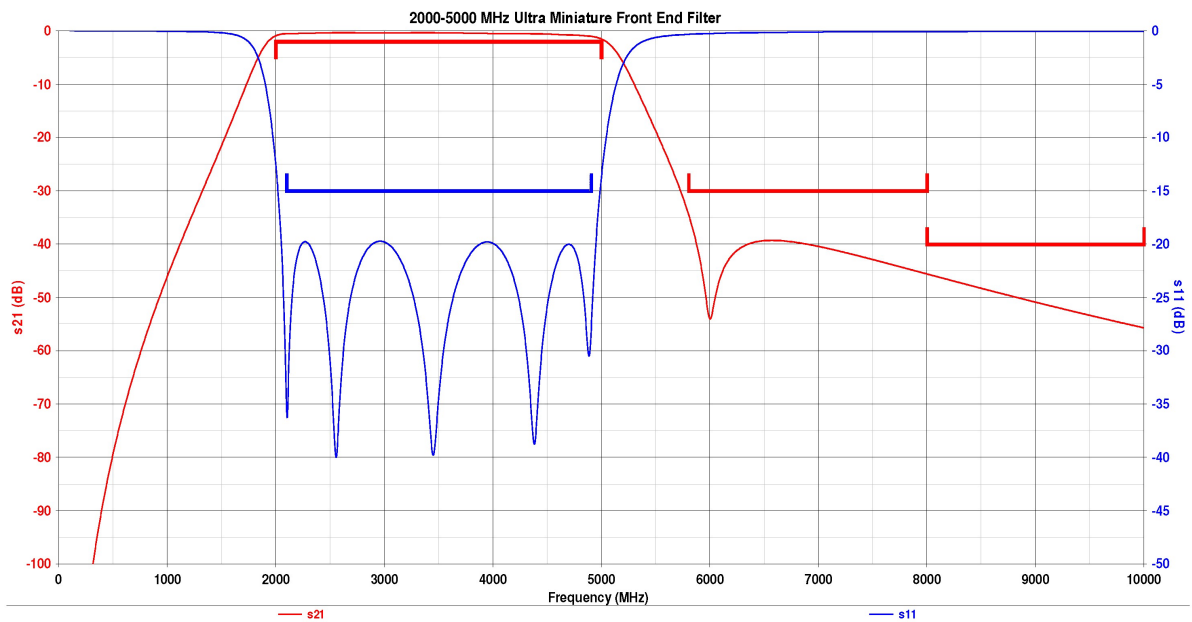
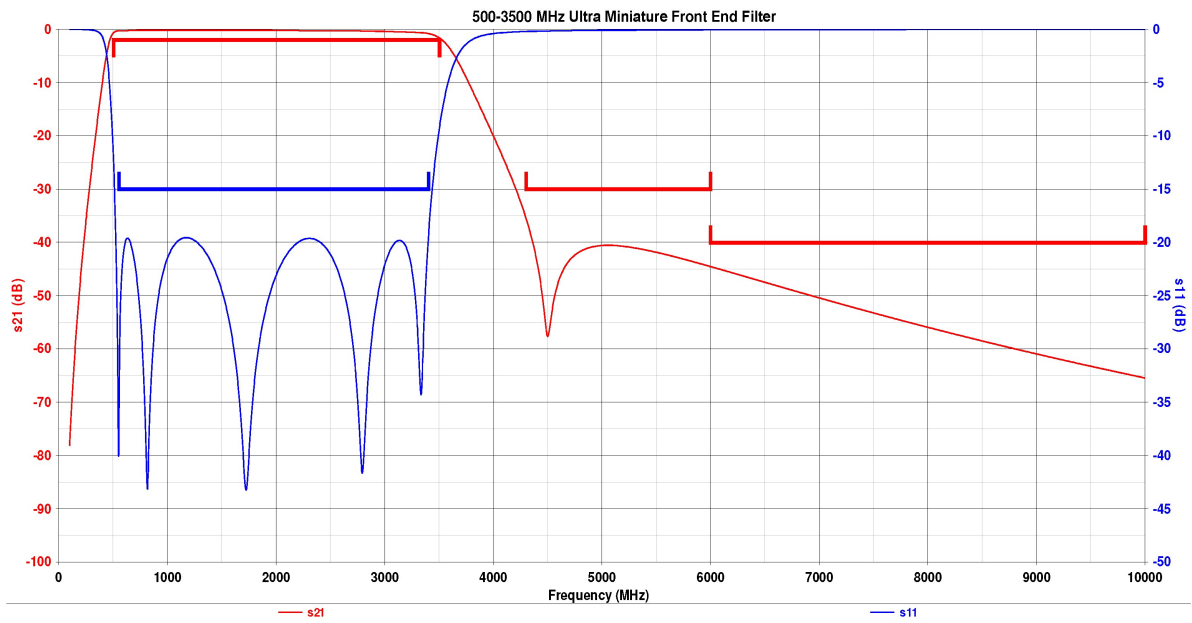


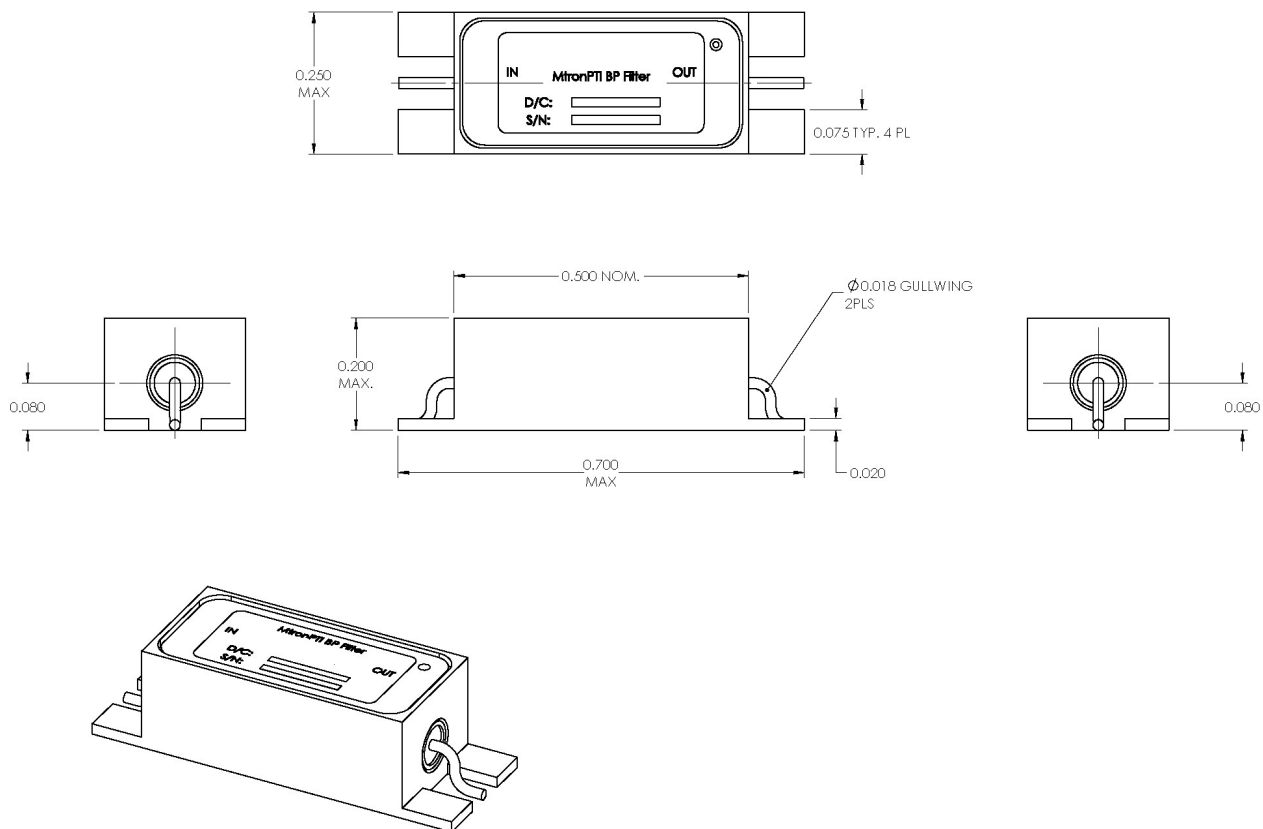
Applications: Electronic Warfare, Avionics, Software Defined Radio

Examples:

Parameter	Min.	Typ.	Max.	Units	Comment
Center Frequency		2000		MHz	
Passband	500		3500		
Insertion Loss Over Passband			2.0	dB	
Return Loss		15		dB	600MHz to 3400MHz
Rejection 1: 4300 to 6000MHz	30			dB	Over operating temperature
Rejection 1: 6000 to 10000MHz	40			dB	Over operating temperature
Input/output Impedance		50		Ω	nominal
Operating Temperature	-20		+55	C°	
Storage Temperature	-40		+105	C°	

Parameter	Min.	Typ.	Max.	Units	Comment
Center Frequency		3500		MHz	
Passband	2000		5000		
Insertion Loss Over Passband			2.0	dB	
Return Loss		15		dB	2100MHz to 4900MHz
Rejection 1: 5800 to 8000MHz	30			dB	Over operating temperature
Rejection 1: 8000 to 10000MHz	40			dB	Over operating temperature
Input/output Impedance		50		Ω	nominal
Operating Temperature	-20		+55	C°	
Storage Temperature	-40		+105	C°	





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