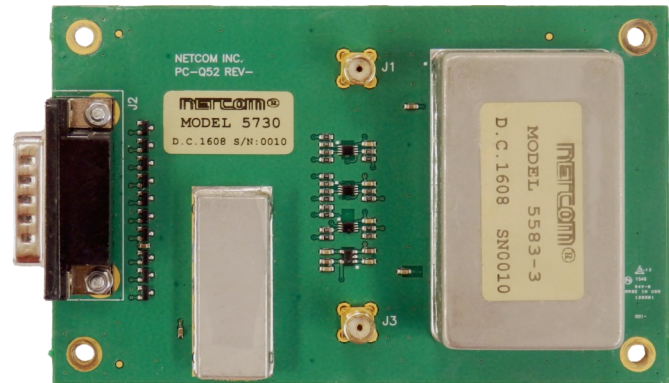


Specifications



FEATURES

Netcom's 5730 is a digitally controlled tunable filter covering the frequency range of 30MHz to 90MHz.

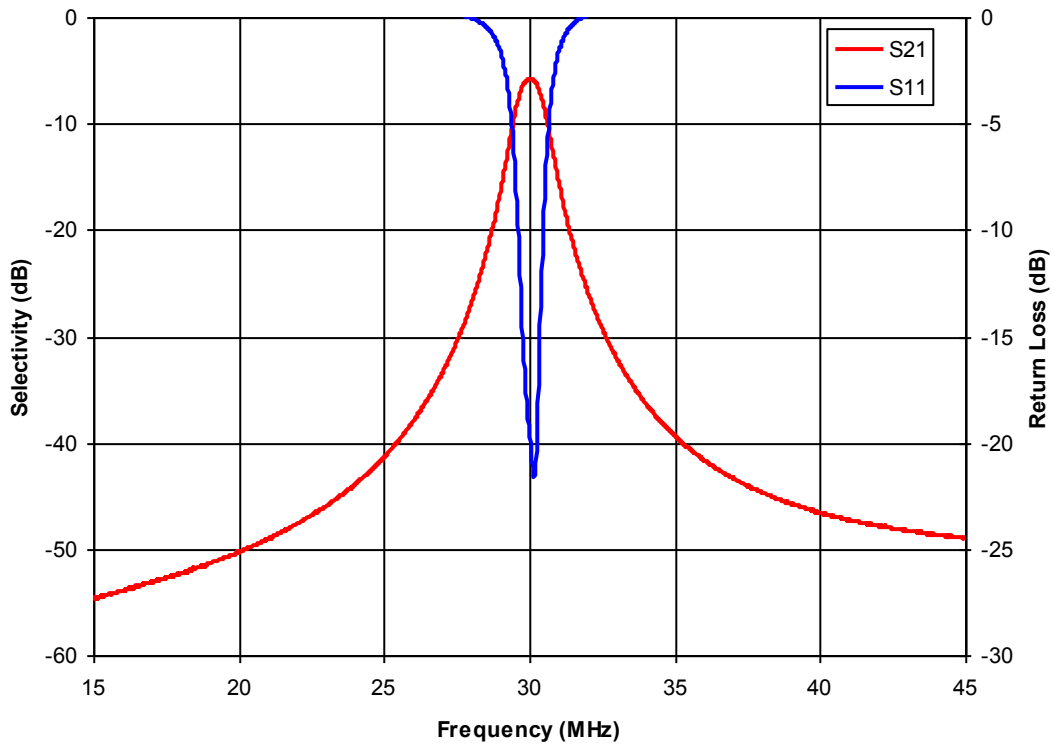
The filter has been designed using new commercially available high voltage drivers and CPLD, which allows for improved performance and reduced cost while at the same time providing increased functionality. The 5730 control is an 8-bit parallel data, clock and strobe interface.

The following table shows the typical performance of the filter at different 3dB bandwidths. Options are available upon request for different bandwidth and frequency range.

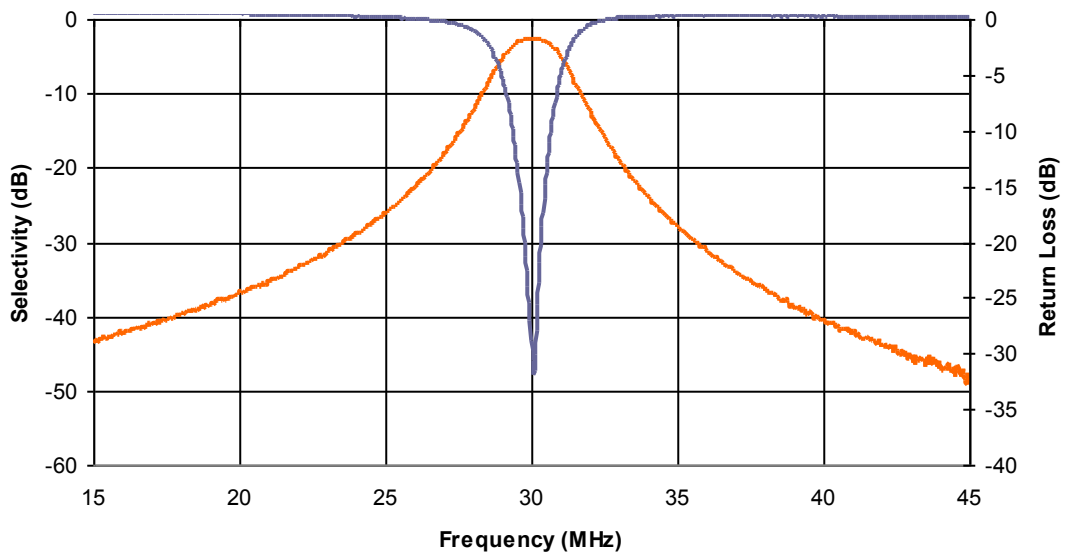
Frequency Range	30 to 90 MHz		
Input / Output Impedance	50 Ω		
RF Power Rating			
Inband, Continuous / Peak	1 W / 2 W		
Out-of-Band, Max	5 W		
Filter Bandwidth 3dB	3%	5%	7%
Selectivity			
Shape Factor 30/3dB		6.5	
Insertion Loss	6.5dB	4.5dB	2.5dB
Tuning Channels	250		
Switching Speed, 90% RF Power	30 μ sec		
DC Inputs			
+5 Volts (+4.5VDC to +5.5VDC range)	250 mA		
+100 Volts (+93VDC to +125VDC range)	0.2 mA		
Temperature Range	-40 to +85 $^{\circ}$ C		
Control Interface	8 bit Parallel		
Power Save Mode	Programmable		

Performance

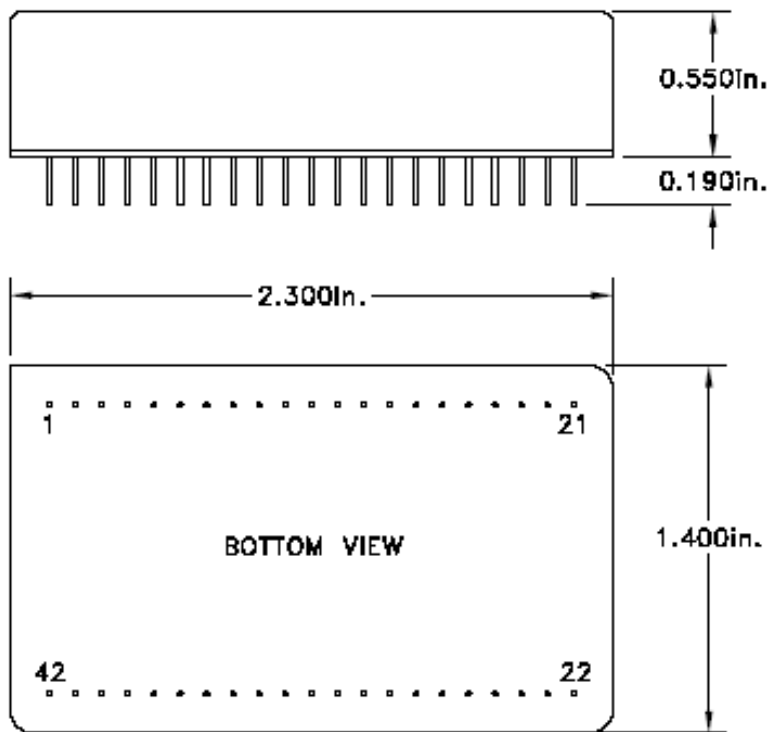
Model 5583 - 30 to 90 MHz, 3% BW at 30 MHz



Model 5583 - 30 to 90 MHz, 7% BW at 30 MHz



Mechanical



Ordering Information

Model Number	-	Bandwidth	-	Option
5583		3		Leave blank for selectable interface S: Serial Interface Only P: Parallel Interface Only
		5		
		7		



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