



# HPF High Pass Filter

5MHz - 42/54 - 1GHz



This new High Pass Filter has been designed for indoor/outdoor use. Each unit has been tested to 10psi (water test), The female contacts (F61) have a neoprene insert with a 360 degree contact which provides a high holding force. The male connector has an integrated "O Ring"

## Features:

- Rejection Band 5 - 42MHz
- Passband 54 - 1000MHz
- Micro-strip designed PCB for consistency of specifications and superior total bandwidth characteristics
- Premium ferrites, resistors and capacitors
- Laminated ID label that will not fade
- Precision machined center pin
- Precision machined "F" ports that are SCTE compliant
- Internally epoxy sealed (10 PSI rated)
- RFI integrity > -100dB
- Compact size (13mm X 43.2mm)
- Modified 360 degree contacts that offer excellent contact between coax and F61 also has an excellent wiping action
- Extra rubber "O-ring" on male "F" port
- Excellent insertion loss & return loss
- Each unit is individually packaged and has 100% quality control at our factory
- CE approved

RMS Communications Inc

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Page 59

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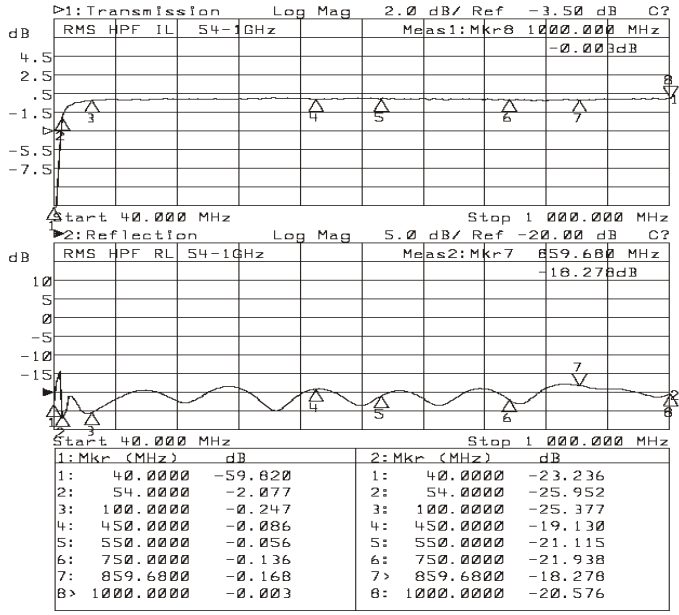
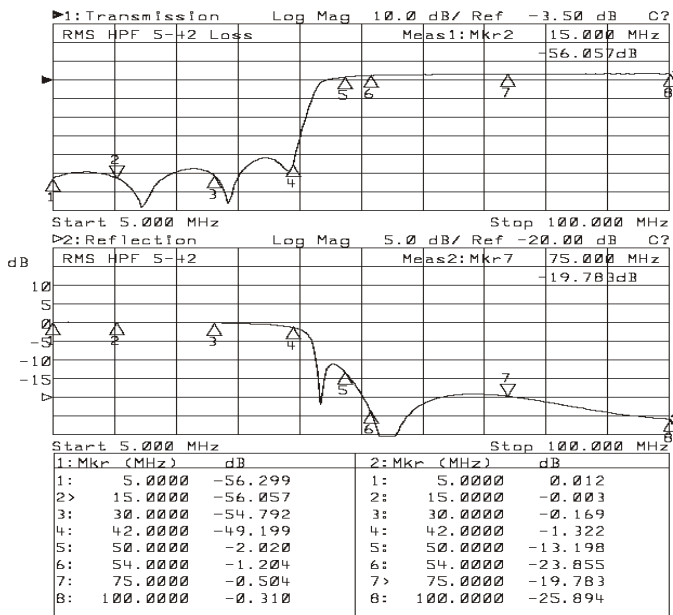


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Specifications Parameter	Frequency MHz	Typical	QA
Stop Band Loss	5 - 30	50	45
	30 - 42	48	40
	42 - 54	48	40
Insertion Loss (Max dB)	54 - 200	1.2	2.0
	200 - 450	0.8	1.0
	450 - 750	0.8	1.0
Return Loss (Min dB)	750 - 1000	0.8	1.0
	54 - 200	19	16
	200 - 450	21	18
RFI (Min dB)	450 - 750	21	18
	750 - 1000	21	18
	5 - 1000	> - 100	
Temperature Range		-40C to +70C	
Waterproof Test		10 PSI	
Impedance		75 ohm	

## Typical Plots



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