



Microwave Freq. Converters For All Spectrum Analyzers



- ✓ Up/Down Converters Up To 18 GHz
- ✓ Use With Avcom Or Other Low Frequency Analyzer
- ✓ Low Insertion Loss
- ✓ Pass-Through LNB Power
- ✓ Low Cost, Compact Size

Measure High Frequency With Your Low Frequency Analyzer!

AVCOM frequency extenders are up/downconverters that let you view high/low frequency signals on your existing spectrum analyzer (AVCOM or any other manufacturer).

Use All Your Analyzers Features!

The MFC Series Converters consist of a mixer and oscillator, tuned to downconvert incoming signals so that they fall within your spectrum analyzer range between 0 and 1 GHz. Being straight down-converted signals, you can work with all the resolution and features inherent in your existing spectrum analyzer. In addition the AVCOM analyzer will recognize the extender in use and display the off-set frequency.

Wide Range Of Frequencies Available!

Whether your application is at 1 GHz or all the way up to 8.5 GHz, a standard MFC has you covered. Dual configurations are also available to give you dual ranges in one unit. Custom order units are available up to 18 GHz!

DC Power Options

The MFC Converter operates on 12VDC and may be powered by a separate power supply or coaxially if your analyzer has DC insertion capabilities. DC insertion posts are available to power LNB's, line amps, and other line powered devices in line.

Accessories

- LNB power and 22 kHz signal available

MFC SERIES

Technical Specifications

Frequency Accuracy: ± 1 MHz Typical

Insertion Loss: ± 2 dB at Center Frequency

Input/Output Connectors: Type N, 50 ohm

Power Requirements: 12VDC at 150 mA Max

Size: 1.75"W x 6.75"H x 6.625"D (LCD Compact Model)
2.25"W x 6.75"H x 8.00"D (CRT & Custom Model)

Standard Single Configurations:	MFC-0610-17	600 - 1000 MHz input
	MFC-5060-17/65	5.0 - 6.0 GHz input
	MFC-3242-17/45	3.2 - 4.2 GHz input
	MFC-1225-65	1.2 - 2.5 GHz input
	MFC-2030-65	2.0 - 3.0 GHz input

Standard Dual Configurations:	MFC-1225/2537-65	1.2 - 2.5 GHz/2.5 - 3.7 GHz
	MFC-2030/5060-65	2.0 - 3.0 GHz/5.0 - 6.0 GHz

Custom Configurations: Specify analyzer make, model, input frequency range, external or coaxial power supply, and if DC insertion posts are required. Frequency ranges available up to 18 GHz.

Notes: • Specifications may vary by converter model and frequency
• MFC's are analyzer specific and NOT INTERCHANGEABLE

Specifications subject change
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