FREQUENCY EXTENDERS

Make High Frequency Measurements on Your "Low Frequency" Analyzer

AVCOM frequency extenders are downconverters that let you view higher frequency signals on your existing spectrum analyzer (AVCOM or any other manufacturer). They consist of a mixer and oscillator tuned to downconvert incoming signals so that they fall between 0 and 1 GHz. Being straight downconverted signals, you can work with all the resolution and features inherent in your existing spectrum analyzer. When used in conjunction with the AVCOM PSA-65C, the analyzer will recognize the extender in use, and display the actual center frequency.
While we have standard configurations, each is built to order. They may be powered by an external power supply, or coaxially if your analyzer has DC insertion on the input.

DC insertion posts can be supplied to power LNBs, line amplifiers, etc. For special orders, note input frequency range, desired output frequency range, power supply (external or coaxial), and whether DC insertion posts are required.

The extender is housed in a 6½" x 2¼" x 7¼" chassis; two extenders can be installed in a single chassis.

MFC-1000/2000 1–2 GHz and 2–3 GHz Frequency Extenders in one chassis.

MFC-3700 3.7–4.2 GHz Frequency Extender with DC insertion posts.

Ordering Information

Model	Input	Output	Options
MFC-1000	1–2 GHz	0–1 GHz	External Power
MFC-1250	1250–2500 MHz	0–1250 MHz	External Power
MFC-1700	1.7–2.7 GHz	0–1 GHz	External Power
MFC-2000	2000–3000 MHz	0–1 GHz	External Power
MFC-2500	2.5–3.75 GHz	0–1250 MHz	External Power
MFC-3700	3.7–4.2 GHz	0–500 MHz	External Power
MFC-5000	5.0–6.0 GHz	0–1 GHz	External Power
MFC-5500	5.5–6.5 GHz	0–1 GHz	External Power

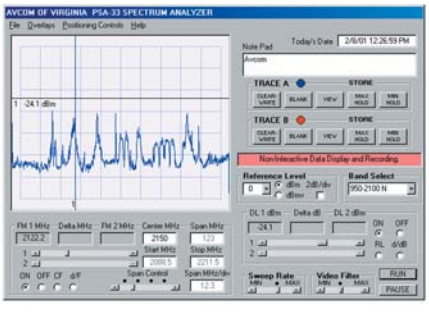
Contact our factory for other ranges and configurations.

ADA-10A Analyzer Display Adapter

Store Spectrum Displays on Your PC

The ADA-10A, Analyzer Display Adapter connects your AVCOM Portable Spectrum to your IBM compatible PC via the parallel port. Our ADA-10A software then enables you to view and store the spectrum display as seen on the CRT of the analyzer. Each stored record includes the associated settings (center frequency, span, reference level, and sweep rate) and resulting figures (start and stop frequencies, total span and resolution bandwidth). You can also add notes for related information such as location conditions, etc. when the trace was recorded. In display mode, two traces can be viewed simultaneously, one that has been saved and a new trace for comparison.

The ADA-10A requires a modular connector on the rear of the analyzer. New units now come configured for the ADA-10A. When ordering this accessory for an older analyzer which does not have the connector, the unit must be returned to the factory for modification.



Ordering Information

ADA-10A Analyzer Display Adapter

OSA-20A Oscilloscope Adapter

The OSA-20A Oscilloscope Adapter for use with AVCOM's Portable Spectrum Analyzers and Microwave. The OSA-20A hardware includes cable to connect to the analyzer and BNC-to-BNC cable to connect to an oscilloscope or other devices which can use the composite voltage of the analyzer display.

Custom Projects

Avcom-Ramsey is staffed to handle your custom needs. Consider us your source for moderately priced microwave and RF components including oscillators, filters and amplifiers. Examples of custom projects include customer specified band and multi-band spectrum analyzers and receivers, audio-video modulators and block downconverters.

Ordering Information

OSA-20A Oscilloscope Adapter