

Data Sheet

150 MHz RF Generator

Model 2005B



The 2005B supplies sine wave outputs from 100 kHz to 150 MHz (harmonics usable to 450 MHz) at up to 100 mV (RMS). The output can be amplitude modulated with an internal 1 kHz signal or with an external audio signal up to 1 V (RMS). An external crystal can be plugged in for precise frequency control. The output is provided via a BNC female connector.

- 100 kHz to 150 MHz on six bands
- Output to 450 MHz on harmonics
- AM modulation, internal or external Step and variable attenuation

Specifications	2005B
Main Output	
Frequency Range	100 kHz to 150 MHz (up to 450 MHz on third harmonics) A) 100 kHz-300 kHz B) 300 kHz-1 MHz C) 1 MHz-3.2 MHz D) 3 MHz-10 MHz E) 10 MHz-35 MHz F) 32 MHz-150MHz (96-450 MHz on harmonics)
Dial Accuracy	± 3%
RF Output Level	Continuously variable. Step attenuator provides approximately 20 dB of attenuation
Maximum Output	Approximately 100 mV rms to 35 MHz. Continuously variable in hi or lo step, at least 20 dB range of adjustment
Frequency Monitor Output	
Frequency	100 kHz to 150 MHz
Level	50 mV rms min. fixed, unmodulated signal
Amplitude Modulation	
Internal	Frequency 1 kHz; level continuously variable. Modulation signal available at front panel jack; fixed 1 V rms (min) into approx. 10 k Ω
External Frequency	50 Hz to 20 kHz
Sensitivity Approximately	100 mV rms
General	
AC Input	120/220/240V ± 10%, 50/60 Hz
Dimensions (HxWxD)	5.91 x 9.84 x 5.12" (150 x 250 x 130 mm)
Weight	5.5 lbs. (2.5 kg)
One-Year Warranty	
Included Accessories	BNC to insulated clip output cable, detachable power cord, and instruction manual