AEROFLEX

FS5000B-13

The Aeroflex FS5000B-13 is a high-performance, fast-switching frequency synthesizer from the FS5000 family, designed for demanding RF and microwave test applications. It features sub-microsecond frequency switching, high spectral purity, and robust vibration tolerance, making it ideal for airborne and radar simulation systems.

SPECIFICATIONS

Frequency

Minimum Frequency	300 MHz Hz
Maximum Frequency	13.5 GHz Hz
Frequency Resolution	1.0 MHz

General

Reference Oscillator	10 MHz OCXO
Interfaces	GPIB, Parallel BCD, Front panel keyboard

Physical

Power Supply	115/230 VAC (±10%), 48 to 440 Hz
Weight	29.5 kg kg

Frequency Specifications

Frequency Switching Speed	< 200 ns
Hop Rate	> 1 megahop/sec
External Reference Input Frequency	10 MHz

Amplitude Specifications

Output Impedance	50 Ohms
Amplitude Leveling	Leveled
Amplitude Accuracy	±2 dB

Physical and Environmental Specifications

Vibration Tolerance	Proven in airborne applications

System Connectivity and Interfaces

Remote Programming Interfaces	GPIB, Parallel BCD
Manual Control	Front panel keyboard

Spectral Purity

Harmonics	<-25 dBc
Non-Harmonic Spurious	<-70 dBc

Power

Power Consumption	500 W

Environmental

Operating Temperature	0 to +50 °C
Storage Temperature	-40 to +71 °C

TECHNOLOGY

Indirect Frequency Synthesis

APPLICATIONS

Radar simulation, fast frequency hopping, airborne testing, electronic warfare

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.