

AEROFLEX

FS-2000B-18

The Aeroflex FS-2000B-18 is a high-performance direct analog frequency synthesizer within the FS2000 family, covering a frequency range from 10 MHz to 18.4 GHz. Utilizing Aeroflex's patented wideband direct analog synthesis, it offers sub-microsecond frequency switching and sub-microsecond level correction, combined with exceptional spectral purity. This modular instrument is designed for demanding radar simulation, fast-hopping automatic test equipment (ATE), and frequency-agile systems.

SPECIFICATIONS

General

Interfaces	GPIB
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Frequency Specifications

Frequency Range	10 MHz to 18.4 GHz
Frequency Switching Speed	< 1 μ s (sub-microsecond)
Frequency Resolution	1 Hz

System Architecture

Synthesis Architecture	Iterative, modular direct analog architecture
Central Reference Generator	Synthesizes 50, 100, 150, 200, and 800 MHz signals from a 100 MHz reference

System and Control Interfaces

Form Factor	Keyboard mainframe with GPIB control
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RF Output

Output Impedance	50 Ω
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TECHNOLOGY

Direct Analog Synthesis

APPLICATIONS

Radar simulation, agile frequency hopping, automatic test equipment (ATE), and spectral purity measurements

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