

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 3, 2026

AEROFLEX

Aeroflex FS1200 Fast Switching Synthesizer

Marconi IFR Aeroflex FS1200 Fast Switching Synthesizer The FS1200 provides an Aeroflex (IFR / Marconi lineage) Fast Switching RF synthesizer in the FastSource family used for high-speed frequency-agile stimulus. It is the FS1200 catalog sibling of the FS1000 series. Exact RF coverage and option codes are faceplate-dependent—confirm engraved frequency limits on the unit. Related FS1000 documentation establishes the family's fast-switching, high-spectral-purity design intent for telecommunications and EW/ATE stimulus. The FS1200 provides an Aeroflex (IFR / Marconi lineage) Fast Switching RF synthesizer in the FastSource family used for high-speed frequency-agile stimulus. It is the FS1200 catalog sibling of the FS1000 series. Exact RF coverage and option codes are faceplate-dependent—confirm engraved frequency limits on the unit. Related FS1000 documentation establishes the family's fast-switching, high-spectral-purity design intent for telecommunications and EW/ATE stimulus. Fast frequency-hopped RF stimulus; ATE and telecom source switching; agile LO substitution; multi-tone / stepped-frequency test systems.

No photo

MODEL

Aeroflex FS1200

CALIBRATION

**N/A — off-catalog
OEM datasheet**

CONDITION

**See OEM
documentation**

STATUS

**Not listed on
Aumictech
inventory**

RFQ / SKU

FS1200

LISTING

**Off-catalog — OEM dat
asheet only**

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

Features & description

From manufacturer datasheet

Features

- Aeroflex / IFR / Marconi FS1200 Fast Switching Synthesizer
- FastSource family architecture (related to FS1000 series)
- Microsecond-class frequency switching (family design goal; confirm FS1200 guaranteed time on data sheet)
- Parallel BCD-style frequency control class (FS1000 family)
- Single or dual synthesizer chassis configurations exist in the FastSource line

FS1200 Characteristics / Specifications

PARAMETER	VALUE
Model	FS1200
Manufacturer	Marconi / IFR / Aeroflex
Instrument Type	Fast Switching RF Synthesizer
Alias	FS1200; FastSource 1200 Frequency / RF (confirm on FS1200 faceplate)
Frequency Range	verify engraved limits for this serial number
Related FS1000 Series Published Range (family context)	notaclaim that FS1200 equals FS1000): 4.5 MHz to 6010 MHz; step 2 Hz (to 4 GHz) / 4 Hz (4–6.01 GHz); switching <100 μ s to within 1.0 radian; +7 dBm output class; spurious –65/–60/–55 dBc by band; phase noise class –130 dBc/Hz @ 1 GHz, 10 kHz offset
External Reference	10 MHz class
AC Power	confirm nameplate (FS1000 published 105–125 VAC, 50–60 Hz)
Operating Temperature (FS1000 published)	+10 to +45 °C Standard Operating Conditions Use 50 Ω loads. Allow warm-up per Aeroflex manual. Confirm dual vs single synthesizer configuration. Operational Notes FS1200 and FS1000 are distinct catalog models–do not assume identical RF limits. Prefer the FS1200 nameplate and any Aeroflex FastSource 1200 datasheet shipped with the unit for guaranteed switching time and spurious.
Operating temperature	(FS1000 published): +10 to +45 °C

FS1200 Specifications

PARAMETER	VALUE
Marconi IFR Aeroflex FS1200 Fast Switching Synthesizer	Overview
Key Features	- Aeroflex / IFR / Marconi FS1200 Fast Switching Synthesizer
Technical Specifications	Model: FS1200
Control / Power (family context)	External Reference: 10 MHz class
Standard Operating Conditions	Use 50 Ω loads. Allow warm-up per Aeroflex manual. Confirm dual vs single synthesizer configuration.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	(FS1000 published): +10 to +45 °C
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Operating Temperature (FS1000 published)	+10 to +45 °C Standard Operating Conditions Use 50 Ω loads. Allow warm-up per Aeroflex manual. Confirm dual vs single synthesizer configuration. Operational Notes FS1200 and FS1000 are distinct catalog models—do not assume identical RF limits. Prefer the FS1200 nameplate and any Aeroflex FastSource 1200 datasheet shipped with the unit for guaranteed switching time and spurious.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications

Specifications

PARAMETER	VALUE
Model	FS1200
Manufacturer	Marconi / IFR / Aeroflex
Instrument Type	Fast Switching RF Synthesizer
Alias	FS1200; FastSource 1200

Frequency / RF (confirm on FS1200 faceplate)
Frequency Range: verify engraved limits for this serial number
Related FS1000 Series Published Range (family context - not a claim that FS1200 equals FS1000): 4.5 MHz to 6010 MHz; step 2 Hz (to 4 GHz) / 4 Hz (4-6.01 GHz); switching <100 μ s to within 1.0 radian; +7 dBm output class; spurious -65/-60/-55 dBc by band; phase noise class -130 dBc/Hz @ 1 GHz, 10 kHz offset

Control / Power (family context)

Specifications

PARAMETER	VALUE
External Reference	10 MHz class
AC Power	confirm nameplate (FS1000 published 105-125 VAC, 50-60 Hz)
Operating Temperature (FS1000 published)	+10 to +45 $^{\circ}$ C

Standard Operating Conditions
Use 50 Ω loads. Allow warm-up per Aeroflex manual. Confirm dual vs single synthesizer configuration.

Operational Notes
FS1200 and FS1000 are distinct catalog models-do not assume identical RF limits. Prefer the FS1200 nameplate and any Aeroflex FastSource 1200 datasheet shipped with the unit for guaranteed switching time and spurious.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: N/A — off-catalog OEM datasheet. See OEM documentation · Not listed on Aumictech inventory.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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<https://aumictechlabs.com>

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.