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Find the *Cobham / Aeroflex / Wavetek 2407* at our website: ***Click HERE***

# Characteristics of the Wavetek 2407 Signal Generator

**DESCRIPTION**

The 2407 RF Signal Generator is a dual microprocessor controlled synthesized signal generator that covers the frequency range of 10kHz to 550MHz. It has an RF output range from +13 to –127 dBm and exhibits an output accuracy of ±1.5 dB. Resolution is 10Hz on an 8-digit display. It has a very broad peak FM deviation; 16 standard stored settings, wide AM bandwidth of 50kHz, reverse power protection, and external clock input/output. The deviation meter measures deviations from 0 to 500kHz. It has excellent spectral purity and residual FM specifications.

Specifications:

Frequency

| | |
|---|---|
| Frequency range: | 10 kHz - 550 MHz |
| Resolution: | 10 Hz; digital readout |
| Switching time: | 200 ms |

Reference

| | |
|---|---|
| Internal: | 10 MHz |
| External: | 10 MHz or 5 MHz TTL |

RF

| | |
|---|---|
| Level range: | +13 - -127 dB (1 volt to 0.1 uvolt) |
| level resolution: | 0.1 dB |
| level accuracy: | +/-1.5 dB of set output level |
| Impedance: | 50 ohms |

AM Characteristics

| | |
|---|---|
| Frequency response: | 10 Hz - 50 kHz, 3 dB BW; 50% modulation |
| resolution: | 0.1% |

FM Characteristics

| | |
|---|---|
| resolution: | 100 Hz (for deviations <100kHz) |
| | 1 kHz (for deviations < 1 MHz) |
| rate: | 50 Hz - 100 kHz (3 dB BW) |

FM Deviation Meter Characteristics

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| | |
|---|---|
| Frequency Input: | 30 to 500 MHz |
| Input signal level: | 15 mV to 5 V rms |
| Impendance: | 50 Ohms |
| Measurement range: | 0 to 500 kHz |
| Modulation rate: | 100 Hz to 8 kHz |

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