Diarcy Technologies

SICS FR-2000 Low-Cost Frequency Standard, GPS Calibrated

Providing Electronic Solutions for Today's Difficult Problems

Electronic Specifications

Frequency Output: 4 to 35 MHz, set at factory Initial Frequency Accuracy: < 10 ppb (parts per billion), typ. Internal Oscillator: Stratum III OCXO Standard Output Power: 0 dBm ± 1 dB into 50Ω Frequency Aging: <±0.75 ppm 1st year; <±4.5 ppm 10th year Warm-Up Time: < 30 minutes Spurious Signals: > 50 dBc, 65 dBc, typ. Harmonics: > 50 dBc, 65 dBc, typ.

Description

The FR-2000 is a low-cost, highly-accurate frequency source which can be used as a Calibration Standard, Laboratory Signal Generator, Synchronization Source, Cellular Base Station Reference, Phased-Locked Loop Reference Signal, and more. Frequency is calibrated before shipping. No GPS signal is required for operation.

Accuracy is limited by GPS timing accuracies, typically resulting in better than 10 parts per billion (0.1Hz out of 10MHz) at time of calibration. Visual indicators show unit status.

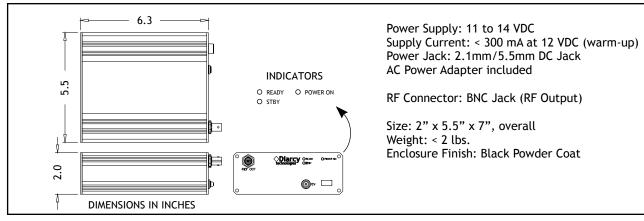
Custom Options

Standard Power Output: 0 dBm into 50Ω Available Power Output: -10 dBm to +10 dBm into 50Ω Multiple Outputs: 3 or 5 Rear Outputs. Other configurations available -- please call.

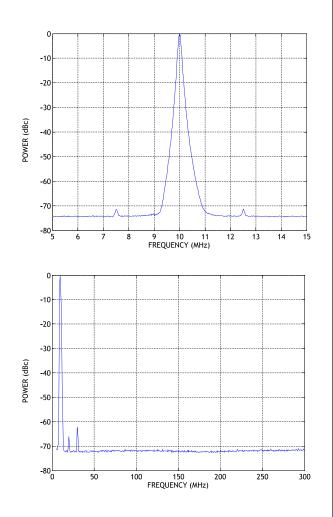
Developed Frequencies (many more available, call us):

4.096 MHz	8.192 MHz	16.384 MHz
5.000 MHz	10.000 MHz	19.440 MHz
6.144 MHz	12.288 MHz	20.000 MHz

Enclosure Outline & Physical Specifications



Typical Spectral Responses

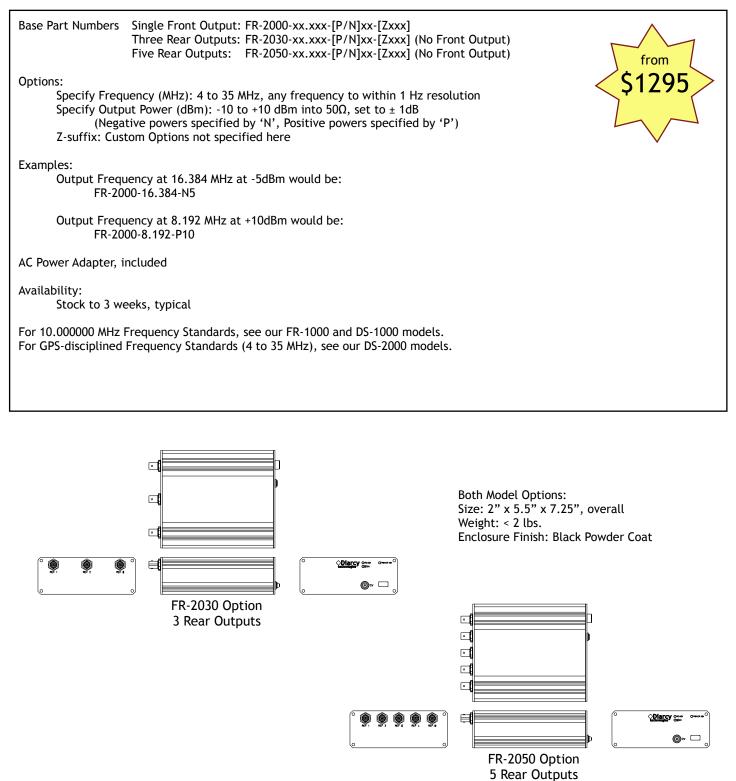


For ordering information, contact Diarcy Technologies = 3804 Tamarack Trail, Austin, TX 78727 USA +1.512.238.6840 = Skype: diarcy.technologies = contact_us@diarcy.com = www.diarcy.com

PRELIMINARY SPECIFICATIONS ARE SUBJECT TO CHANGE

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Ordering Information and Options



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