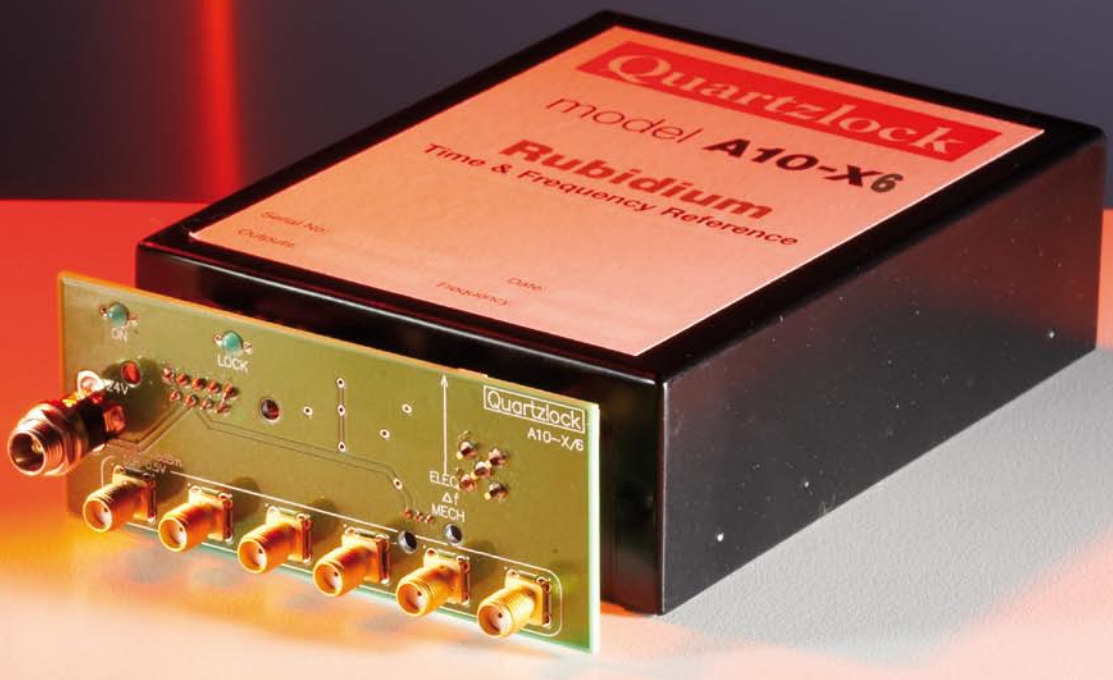
Quartzlock **A10-X6**

10MHz Rubidium Oscillator with 6 outputs



APPLICATIONS - FREQUENCY REFERENCING

- RF Systems
- Wireless Test Solutions
- Microwave Test Bench

TYPICAL INSTRUMENTS REFERENCED BY A10-X6

spectrum analysers, network analysers, frequency,
counters, signal sources, microwave analysers, digital storage scopes.

Quartzlock **A10-X6**

10MHz Rubidium Oscillator with 6 outputs

Outputs	6x10MHz sine 0.7V rms (0dBm) into 50 ohms
Accuracy	±5x10^{-11} at shipment @25°C
Phase to Noise (SSB)	-100dBc (10Hz) -120 dBc (100Hz) -140 dBc (1KHz)
Input Power	13W at 24V@25°C, Max 2A
Input Voltage Range	22 to 30Vdc
Warm Time	5 minutes to lock @ 25°C
Retrace	±3x10^{-11}
Distribution Amplifier Stability	Typically 5x10^{-12}
Frequency Control	
Internal trim range (trimpot)	greater than 2x10^{-9}
External trim range	greater than 2x10^{-9} (0V~5V)
Short term stability	3x10^{-11}/1s 1x10^{-11}/10s 3x10^{-12}/100s
Harmonics	
Second Harmonic	-48 dBc
Third Harmonic	-45 dBc
Frequency Drift	3x10^{-12}/day, 3x10^{-11}/month
Status Monitors	Lock and On LEDs
Operating Temp. Range	-20°C to +50°C
Temperature Coefficient (ambient)	3x10^{-10} (-20° to 50°C)
Storage Temperature	-40° to 70°C
MTBF	100,000 hours
Connectors	SMA
Size	Break out PCB + 38x94x127mm (450cc)
Weight	0.75Kg
Warranty	3 years

OPTION RTU
Ext 24Vdc supply. 90-240V ac input. 6 x 1.5m coax leads
SMA to BNC (to enable “out of box - ready to use”)

Rack mount instrument version 1.75”/44mm/1U
See A1000 data sheet

Frequency Reference your RF-Microwave Bench or System

spectrum analysers, network analysers, frequency counters, signal sources, microwave analysers, digital storage scopes.

A10-X6

Contact us:

Telephone: +44(0)1803 862062

Fax: +44(0)1803 867962

e-mail: sales@quartzlock.com

Web: quartzlock.com