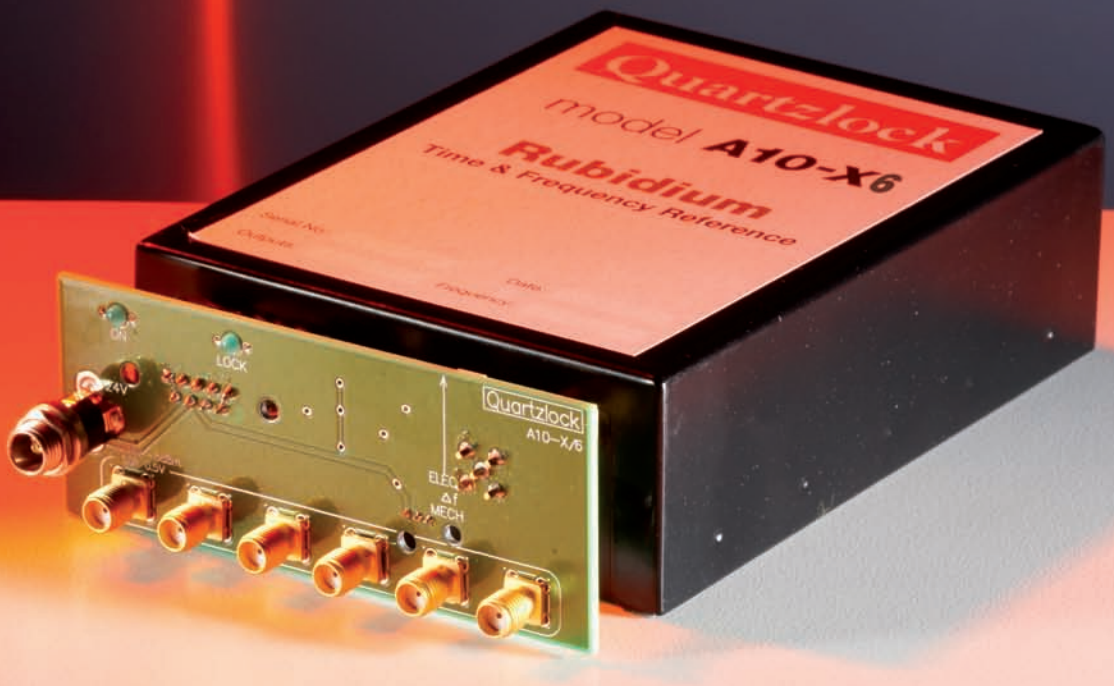
Quartzlock **A10-X6**

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.

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10MHz Rubidium Oscillator with 6 outputs

Outputs	6 x 10MHz sine 0.7V rms (0dBm) into 50 ohms	
Accuracy	±5x10^{-11} at shipment @25°C	
Phase to Noise (SSB)	10Hz	-100dBc
	100Hz	-120dBc
	1KHz	-140dBc
Warm Time	5 minutes to lock @ 25°C	
Retrace	±3x10^{-11}	
Distribution Amplifier Stability	Typically 5x10^{-12}/s	
Frequency Control		
Internal trim range (trimpot)	greater than 2x10^{-9}	
External trim range	greater than 2x10^{-9} (0V~5V)	
Short term stability	1s	3x10^{-11}
	10s	1x10^{-11}
	100s	3x10^{-12}
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	
Input Power	13W at 24V@25°C, Max 2A	
Input Voltage Range	22 to 30Vdc	
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