BURL11

10 MHz GPS FREQUENCY STANDARD

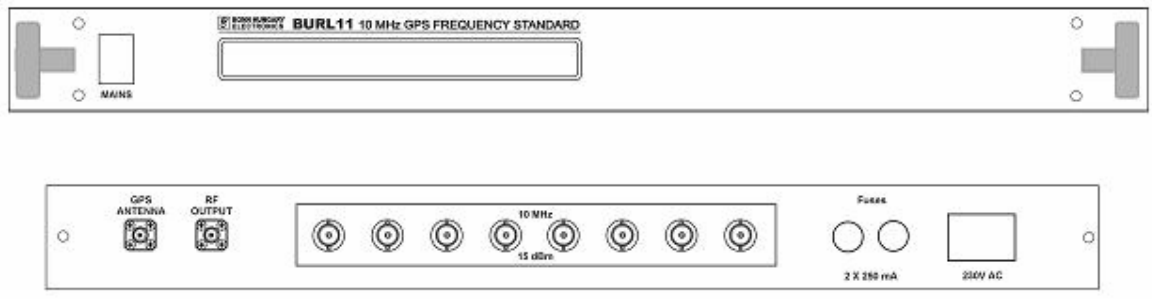
- **HIGH FREQUENCY ACCURACY**
- **VERY LOW PHASE NOISE**
- **LOW POWER CONSUMPTION**
- **SHORT WARM UP TIME**
- **19" RACK UNIT (1U)**
- **OPTIONAL 100MHz OR 1GHz LOW NOISE OUTPUT**
- **8 OUTPUTS**

This GPS frequency standard is intended for use in applications, which require very high frequency accuracy, stability and precise timing. It is especially advantageous in terrestrial and satellite communications, calibration and system test applications. It has a very low phase noise 10 MHz auxiliary RF output, allowing the user to make complex microwave measurements on a simple and easy way with one frequency source.

Electrical characteristics:

Output Frequency	10 MHz
Output Level	1Veff (min)
Phase Noise (typ.)	10 MHz
@ 1Hz	-100 dBc/Hz
@ 10Hz	-130 dBc/Hz
@ 100Hz	-145 dBc/Hz
@ 1KHz	-150 dBc/Hz
@ 10 KHz	-155 dBc/Hz
@ 100 KHz	-155 dBc/Hz
Spurious:	< -80 dB
Harmonics:	< -70 dB
Frequency Accuracy:	+/-2E-11, more then 1 hours average
Short Term Stability:	< 2x10E-12 τ =1 sec, typical
Warm Up Time:	< 15 min.
Operating Temp. Range:	0 to +60 ^{o}C
Storage Temperature:	-40 to +85 ^{o}C
Power Supply:	230 V AC
Status Monitor:	Synchron Circuit Phase Error
	LOCK State, Number of GPS Satellites in view
Options:	Low phase noise 100 MHz or 1GHz output

Front and Rear view:



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