



## Rubidium frequency standard CH1-1013



Rubidium Frequency Standard CH1-1013 for use as a highly stable signal source in an apparatus measuring frequency and time, in navigation systems, telephone and radio in telecommunication networks.

Small size, weight, power consumption, time-to operating mode allows wide use in various mobile radio systems and complexes.

### Specification

1. Output frequency, MHz.....	10
2. Output signal amplitude at a load of 50 Ω, Vrms, at range.....	1,0 ± 0,2
3. Accuracy at shipment, at range.....	± 2·10 <sup>-11</sup>
4. Aging (after 72 hrs), at range.....	± 1·10 <sup>-11</sup> /month
at range.....	± 1,2·10 <sup>-10</sup> /year
5. Frequency retrace (after 24 hrs on).....	< 2·10 <sup>-11</sup>
6. Short-term stability (Allan variance)	
1 s.....	< 1,4·10 <sup>-11</sup>
10 s.....	< 5·10 <sup>-12</sup>
100 s.....	< 2·10 <sup>-12</sup>
1 day.....	< 5·10 <sup>-12</sup>
7. Temperature shift (0 to +50 °C).....	< 2·10 <sup>-10</sup>
8. The tuning range of the output frequency (analog).....	> 3·10 <sup>-9</sup>
9. Harmonics, dBc.....	< - 30
10. Phase noise, dBc/Hz	
offset (85±3) Hz.....	< - 130
1 kHz.....	< - 140
10 kHz.....	< - 145
11. Supply voltage, V.....	22 to 28
12. Input power, W.....	< 18
13. Dimensions (depth×width×height), mm.....	158×78×87
14. Weight, Kg.....	< 1,2