UMS051

Features

- Better additional short-term stability,up to***2.0E-14/1s***
- Ultra low phase noise***≤-135dBc/Hz@1Hz，≤-171dBc/Hz@1kHz***
- Low spurious***≤-100dBc***

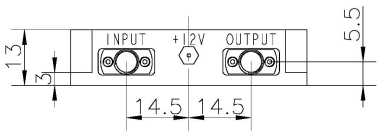
Applications

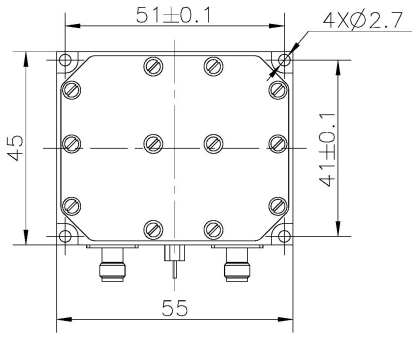
- Frequency standards and sources
- Measuring and calibration equipment
- Navigation

Technical Specifications

Input Sign specifications		
Frequency range	5MHz ±5Hz	
Wave form	Sine wave	
Power	10 ±2 dBm	
Harmonics	≤ -30 dBc	
Spurious	≤ -70 dBc	
Load	50 Ω ± 5%	
Output Sign specifications		
Frequency range	10MHz ±10Hz	
Wave form	Sine wave	
Power	10 ± 3 dBm	
Harmonics	≤ -40 dBc	
Spurious	≤ -80 dBc	≤ -100 dBc
Spurious	≤ -100 dBc	
Load	50 Ω ± 5%	
Powe stability vs Temperature (-40℃ to 70℃)	≤ 2.0dB	
Additional short-term stability	≤2×10^{-14}/1s	
Phase Noise (dBc/Hz)	**Option: S**	**Option: U**
1 Hz	-130	-135
10 Hz	-145	-150
100 Hz	-160	-165
1 KHz	-166	-171
10 KHz	-166	-171
Input voltage range	12 VDC ± 5%	
Power consumption (at 25℃)	2W	
Vibration	MIL-STD-202G	
Size (L×W×H)	55×45×13mm^3	

Outline drawing and Electrical connections (mm)





INPUT：5MHz（SMA-F）
OUTPUT：10MHz（SMA-F）
+12V：DC +12v