ULS618

Features

- Ultra low phase noise ***≤-90dBc/Hz@10Hz，≤-156dBc/Hz@10kHz，≤-172dBc/Hz@1MHz（800MHz）***

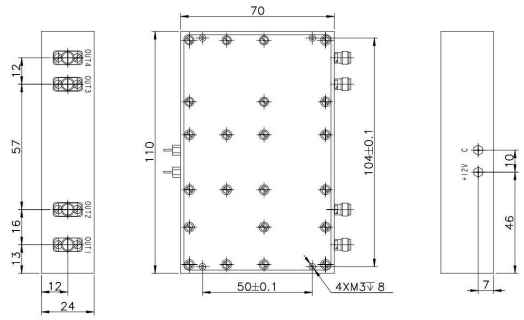
Applications

- Frequency standards and sources
- Measuring and calibration equipment

Technical Specifications

Standard Frequency	100MHz	800MHz	100MHz	800MHz	100MHz	800MHz	100MHz	800MHz
Phase Noise (dBc/Hz,free-running)	**Option: S**		**Option: H**		**Option: L**		**Option: U**	
10 Hz	-100	-82	-103	-85	-105	-87	-108	-90
100 Hz	-130	-112	-133	-115	-135	-117	-138	-120
1 KHz	-160	-142	-163	-145	-165	-147	-168	-150
10 KHz	-171	-151	-172	-152	-173	-154	-175	-156
100 KHz	-173	-152	-173	-155	-175	-157	-175	-160
1 MHz	-174	-165	-174	-168	-176	-170	-176	-172
Aging (after 30 days of continuous operation)	≤ 5×10^{-7} / year							
Input voltage range	12 VDC ± 5%							
Power consumption (at 25˚C)	8W / 5W							
Warm up time (at 25˚C to 2×10^{-7})	≤ 5 min							
Input EFC								
Tuning range	≥±5×10^{-7}（0 ~ 10 V，Positive）							
Output specifications								
Wave form	Sine wave							
Number of outputs	4							
Port to port isolation（Same frequency）	≥ 30 dB							
Power	10 ± 3 dBm							
Harmonics	≤ -30 dBc							
Spurious	≤ -100 dBc							
Frequency stability vs Temperature (-40˚C to 70˚C)	≤ 2×10^{-7}							
Load	50 Ω ± 5%							
g sensitivity	≤ 5×10^{-10} / g							
Vibration	MIL-STD-202G							
Size (L×W×H)	110×70×24mm^3							

Outline drawing and Electrical connections (mm)



OUT1：100MHz（SMA-F）
OUT2：100MHz（SMA-F）
OUT3：800MHz（SMA-F）
OUT4：800MHz（SMA-F）
+12V：+12V Power supply
C ：EFC