

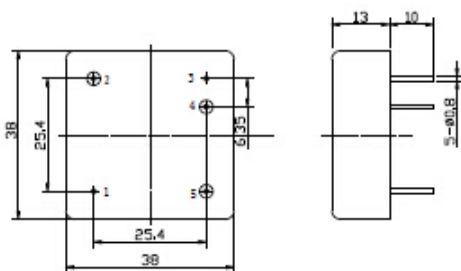
638B

Low phase noise OCXO

Technical Specifications

Standard Frequency	100 MHz		
Phase Noise (dBc/Hz)	Option: S	Option: L	Option: U
100 Hz	-120	-125	-130
1 KHz	-145	-155	-165
10 KHz	-160	-168	-175
100 KHz	-165	-170	-178
Aging (after 30 days of continuous operation)	$\leq 5 \times 10^{-8}$ / year		
Input voltage range	12 VDC \pm 5%		
Warm up time (at 25°C to 5×10^{-7})	≤ 5 min		
Output specifications			
Output Wave form	Sine wave		
Frequency stability vs Temperature (-40°C to 70°C)	$\leq 1 \times 10^{-8}$		
Frequency stability vs Voltage	$\leq \pm 5 \times 10^{-8}$		
Frequency stability vs Load	$\leq \pm 5 \times 10^{-8}$		
Harmonics	≤ -30 dBc		
Spurious	≤ -80 dBc		
Load	50 Ω		
Level	7 \pm 2 dBm		
Storage Temperature Range	-40°C to 85°C		
Vibration	MIL-STD-202G		
Frequency control	0 ~ 5Volts		
Size (L×W×H)	38.1×38.1×13 mm		

Outline drawing and Electrical connections (mm)



1. Ground
2. Control voltage
3. Ground
4. RF output
5. Voltage supply

Ordering Information: 638B-xx-xx

Example: 638B-U-100MHz