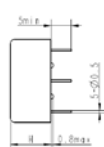
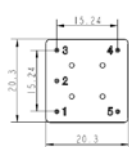


770B Low phase noise OCXO

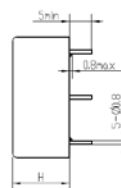
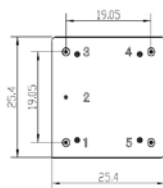
Technical Specifications

Standard Frequency	100 MHz		
	Option: 60~120 MHz		
Phase Noise (at 100MHz, BW=1Hz)	Option: S	Option: L	Option: U
10 Hz	-95	-100	-105
100 Hz	-125	-132	-138
1 KHz	-155	-163	-168
10 KHz	-165	-173	-178
100 KHz	-170	-175	-180
1 MHz	-175	-178	-182
Aging (after 30 days of continuous operation)	$\leq 5 \times 10^{-7}$ / year		
Input voltage range	12 VDC \pm 5%		
Power consumption (at 25°C)	5W / 3W		
Warm up time (at 25°C to 5×10^{-7})	≤ 5 min		
Output specifications			
Output Wave form	Sine wave		
Output Power	11 \pm 2 dBm		
Frequency stability vs Temperature (-40°C to 70°C)	$\leq 2 \times 10^{-8}$		
Frequency stability vs Voltage	$\leq \pm 5 \times 10^{-8}$		
Frequency stability vs Load	$\leq \pm 5 \times 10^{-8}$		
Harmonics	≤ -35 dBc		
Spurious	≤ -80 dBc		
Load	50 $\Omega \pm 5\%$		
Vibration	MIL-STD-202G		
g sensitivity	$\leq 5 \times 10^{-10}$ / g		
Frequency control	0 ~ 8 Volts		
Size (L×W×H)	Option 20: 20.3×20.3×12.7 mm		
	Option 25: 25.4×25.4×12.7 mm		
	Option 50: 50×50×19.05 mm		

Outline drawing and Electrical connections (mm)



- 1.Control voltage
- 2.NC or V_{REF}
- 3.Ground
- 4.RF output
- 5.Voltage supply



- 1.RF output
- 2.Ground
- 3.Control voltage
- 4.NC or V_{REF}
- 5.Voltage supply

Ordering Information: 770B-xx-xx

Example: 770B-U20-100MHz