

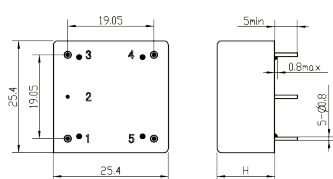
740B Low phase noise OCXO



Technical Specifications

Standard Frequency	100MHz		
Phase Noise ($\pm 2\text{dBc/Hz}$)	Option: S	Option: L	Option: U
10 Hz	-100	-100	-100
100 Hz	-130	-133	-135
1 kHz	-155	-160	-163
10 kHz	-165	-170	-170
100 kHz	-168	-171	-172
Aging (after 30 days of continuous operation)	$\leq 5 \times 10^{-7}$ / year		
Input voltage range	12VDC \pm 5%		
	Option 05: 5VDC \pm 5%		
Warm up time (at 25°C to 5×10^{-6})	\leq 5min		
Output specifications			
Output Wave form	Sine wave		
Frequency stability vs Temperature	$\leq 3 \times 10^{-7}$		
Harmonics	$\leq -30\text{dBc}$		
Spurious	$\leq -70\text{dBc}$		
Load	50 Ω		
Level	10 \pm 3dBm		
Operating Temperature Range	-40°C to 70°C		
Storage Temperature Range	-40°C to 85°C		
Vibration	MIL-STD-202G		
Frequency control	$\pm 5 \times 10^{-7}$ with control voltage $V_c = 0 \sim 5\text{Volts}$		
Size (L×W×H)	25.4×25.4×12.7mm		

Outline drawing and Electrical connections (mm)



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

Ordering Information: 740B-xx-xx

Example: 740B-U-100MHz