

# 740A 10MHz OCXO

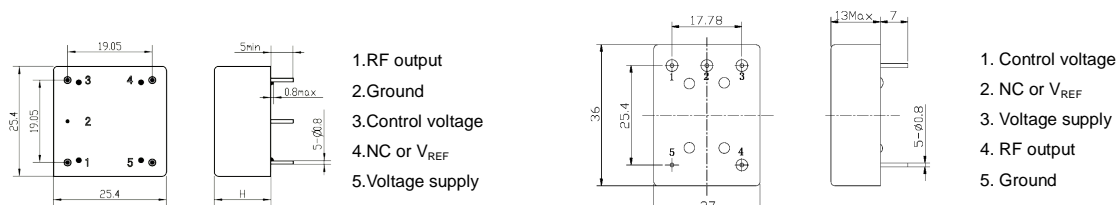


**MicroTime**  
TECHNOLOGIES

## Technical Specifications

Standard Frequency	10MHz		
	Option: 5MHz		
Short-term stability	$\leq 5 \times 10^{-12}/1s$	$\leq 3 \times 10^{-12}/1s$	$\leq 2 \times 10^{-12}/1s$
Phase Noise (at 10MHz, $\pm 2dBc/Hz$ )	Option: S	Option: L	Option: U
1 Hz	-100	-105	-108
10 Hz	-130	-133	-135
100 Hz	-145	-150	-153
1 kHz	-160	-165	-168
10 kHz	-162	-170	-170
100 kHz	-168	-170	-172
Aging (after 30 days of continuous operation)	$\leq 5 \times 10^{-10}/day$		
	$\leq 5 \times 10^{-8}/month$		
	$\leq 5 \times 10^{-8}/year$		
Input voltage range	12VDC $\pm$ 5%		
	Option 05: 5VDC $\pm$ 5%		
Warm up time (at 25°C to $1 \times 10^{-6}$ )	$\leq 5min$		
Output specifications			
Output Wave form	Sine wave		
Output Power	10 $\pm$ 3dBm		
Frequency stability vs Temperature (-55°C to 85°C)	$\leq 5 \times 10^{-8}$		
Harmonics	$\leq -30dBc$		
Spurious	$\leq -70dBc$		
Load	50 $\Omega$		
Vibration	MIL-STD-202G		
Frequency control	$\pm 2.5V$		
Size (L×W×H)	Option 25: 25.4×25.4×12.7mm		
	Option 36: 36×27×12.7mm		

## Outline drawing and Electrical connections (mm)



## Ordering Information: 740A-xx-xx

Example: 740A-U36-10MHz

**MicroTime**  
TECHNOLOGIES

7901 Thorndike Road, Greensboro, NC 27409-9421, US  
Tel: +1-336-678-3618 Fax: +1-336-678-3619 www.mti-microtime.com