



**PRODUCTS** Oven Controlled Crystal Oscillator (Through Hole)

**Typical Applications:**

- Data Communications
- Telecommunication System
- Instrumentation

# OC36 Series

## (Through Hole Oven Controlled Crystal Oscillator Series)

**Part Number: OC36 Series - Waveform - Stability - Freq - Vcc - Pulling**

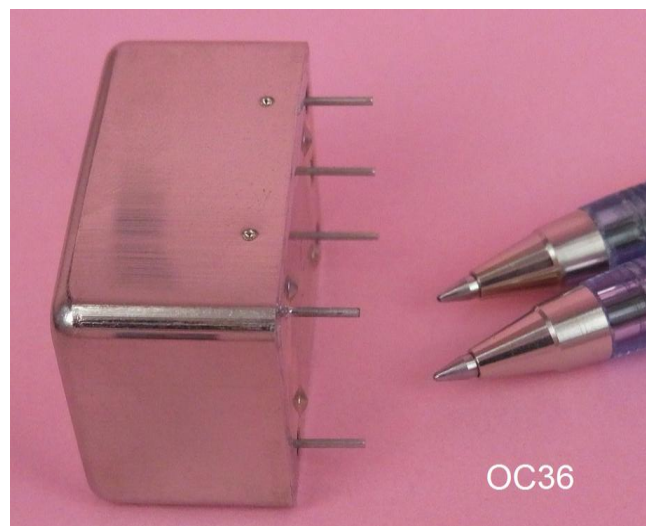
**Example: OC36HB-10.000-5.0V-D**

<b>Specification</b>	<b>OC36</b>
<b>Part No.</b>	<b>Example</b>
OC36 Series - Waveform - Stability - Freq - Vcc - Pulling	OC36LVB-10.000-5.0V-D

Specification	OC36	
Frequency Range	10.000 ~ 40.000 MHz	
Output Waveform	HCMOS / TTL / LVCMOS	
Frequency Stability vs. Temperature	A: $\pm 5 \times 10^{-8}$	0 °C to +60 °C
	B: $\pm 1 \times 10^{-7}$	-30 °C to +70 °C
	C: $\pm 2.5 \times 10^{-7}$	-40 °C to +80 °C
Frequency Stability vs. Temperature	D: $\pm 5 \times 10^{-9}$	0 °C to +60 °C
	E: $\pm 1 \times 10^{-8}$	-30 °C to +70 °C
Frequency Stability vs. Temperature	F: $\pm 2 \times 10^{-8}$	-40 °C to +80 °C
	Short Term Stability	$2 \times 10^{-10}$ / sec or $2 \times 10^{-11}$ / sec
Rise and Fall Time	6 nsec max. (10% / 90% Vout)	
Frequency Stability vs. Load Deviation	$\pm 0.01$ ppm/year max. @ $\pm 5\%$ delta or $\pm 0.003$ ppm/year max. @ $\pm 5\%$ delta	
Frequency Stability vs. Supply Deviation	$\pm 0.015$ ppm/year max. @ $\pm 5\%$ delta or $\pm 0.002$ ppm/year max. @ $\pm 5\%$ delta	
Frequency Stability vs. Aging	$\pm 0.3$ ppm/year or $\pm 0.05$ ppm/year	
Supply Voltage (Vcc)	12V, 5V, 3.3 (optional)	
Power Dissipation (Steady State)	1.5W typ.	
Heat Up Power	3.6W typ.	
Heat Up Time	3 mins typ.	
Duty Cycle (Typical)	40 / 60% ( at 50% Vcc) typ. or 45 / 55% max.	
Pulling	$\pm 0.4$ ppm ~ $\pm 0.8$ ppm typ.	
Phase Noise	<b>Offset</b>	<b>Phase Noise</b>
	10Hz	-90dBc/Hz
	100Hz	-110dBc/Hz
	1KHz	-130dBc/Hz
	10KHz	-140dBc/Hz
	100KHz	-145dBc/Hz

Note: This is a typical parameter spec., please contact us for detail specification sheet.

**HIGH PRECISION OSCILLATOR**



**Dimension** (Unit: mm)

