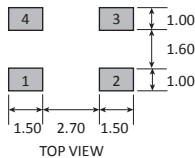


PAD	CONNECTION
1	Control voltage
2	Ground
3	Output
4	Supply

SOLDER PAD LAYOUT



## Features

- ▣ Suitable for Avionics, Down-hole, Geothermal etc
- ▣ Extreme temperature ranges up to 210°C
- ▣ High stability & low ageing under extremes
- ▣ High shock & vibration resistance
- ▣ Fast start-up

## Specifications

Parameters	Variant	Option Codes
	V	
Frequency range:	5.0 ~ 40.0MHz	
Supply voltage (V <sub>DD</sub> ):	+3.3V (±5%)	
Absolute pulling range (max)*:		
±130ppm over -40 to +85°C	<input type="checkbox"/>	B
±110ppm over -55 to +125°C	<input type="checkbox"/>	C
±90ppm over -10 to +150°C	<input type="checkbox"/>	R
±50ppm over -10 to +175°C	<input type="checkbox"/>	S
±30ppm over -10 to +210°C	<input type="checkbox"/>	T
Voltage control (V <sub>CTL</sub> ):	+1.65V ±1.65V Positive slope, 10% linearity	
Storage temperature range:	-55 to +125°C	
Supply current (no load):	4mA max ≤10.0MHz 5mA max ≤20.0MHz 20mA max @ 40.0MHz	
Driving ability:	CMOS	
Load:	3pF min, 47pF max	
Logic levels:	'0' level = +0.4V max '1' level = V <sub>DD</sub> -0.5V min	
Start up time:	5ms max	
Waveform symmetry:	40:60 max @ 50%V <sub>DD</sub>	
Rise / fall times:	5ns max (@15pF)	
Shock resistance:	10,000G, 0.3ms, ½ sine	
Vibration resistance:	40G rms 10.0 ~ 2,000Hz	
Soldering condition:	260°C, 10 sec max	

▣ Standard.  Optional - Please specify required code(s) when ordering

\* APR is inclusive of calibration @ 25°C, operating temperature range, supply voltage change, load change and ageing (1 year).

## Ordering Information

Product name + variant + option codes + frequency

eg: **VCXO2EV/C 10.0MHz** ±110ppm -55 to +125°C

**VCXO2EV/T 32.0MHz** ±30ppm -10 to +210°C

Option code X (eg VCXO2EV/X) denotes a custom specification.

- ◆ Packed in trays (128pcs/tray), or T&R 250 ~ 1,000pcs / reel
- ◆ A 47nF ceramic capacitor must be connected between GND and V<sub>DD</sub>