



actual size

# Oscillator · VCXO · JV53 · 3.3 V

## SMD Voltage Control Crystal Oscillator · 5.0 x 3.2 mm

- pulling range up to  $\pm 100$  ppm min.
- reflow soldering temperature: 260 °C max.
- ceramic/metal package



RoHS compliant

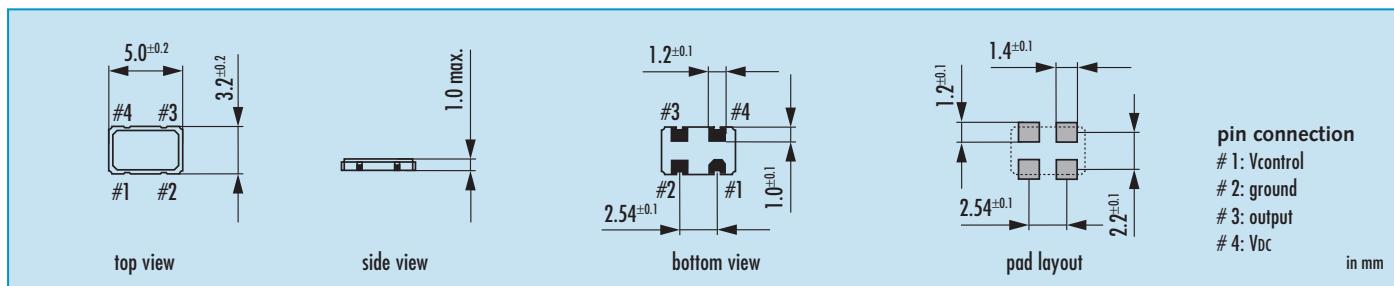


Pb free: pins / pads

### General Data

type		JV53 3.3 V
frequency range		2.0 ~ 54.0 MHz
frequency stability over all*		$\pm 25$ ppm / $\pm 30$ ppm / $\pm 50$ ppm see table 1
current consumption		see table 2
supply voltage $V_{DC}$		3.3 V $\pm 10\%$
frequency pulling range min.		$\pm 100$ ppm ( $\pm 150$ ppm typ.)
pulling	control voltage	1.65 V $\pm 1.35$ V*
	linearity	<10%
	input imp. min.	100 KΩ
	modulation min.	20 KHz
temperature	operating	-20 °C ~ +70 °C / -40 °C ~ +85 °C
	storage	-55 °C ~ +125 °C
output	rise & fall time	see table 3
	load max.	15pF
	current max.	4 mA
	low level max.	0.1 x $V_{DC}$
	high level min.	0.9 x $V_{DC}$
standby function		no
start-up time max.		10 ms
symmetry at 0.5 x $V_{DC}$		45% ~ 55% max.

### Dimensions



### Order Information

0	frequency in MHz	type	frequency stability in ppm	supply voltage in Volt	pulling range in ppm	option
Oscillator	2.0 ~ 54.0 MHz	JV53	C = $\pm 25$ ppm G = $\pm 30$ ppm B = $\pm 50$ ppm	3.3 = 3.3 V	10 = $\pm 100$ ppm	blank = -20 °C ~ +70 °C T1 = -40 °C ~ +85 °C on request

Example: O 27.0-JV53-B-3.3-10-LF (Suffix LF = RoHS compliant / Pb free pins or pads)