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### SMD VCXO's

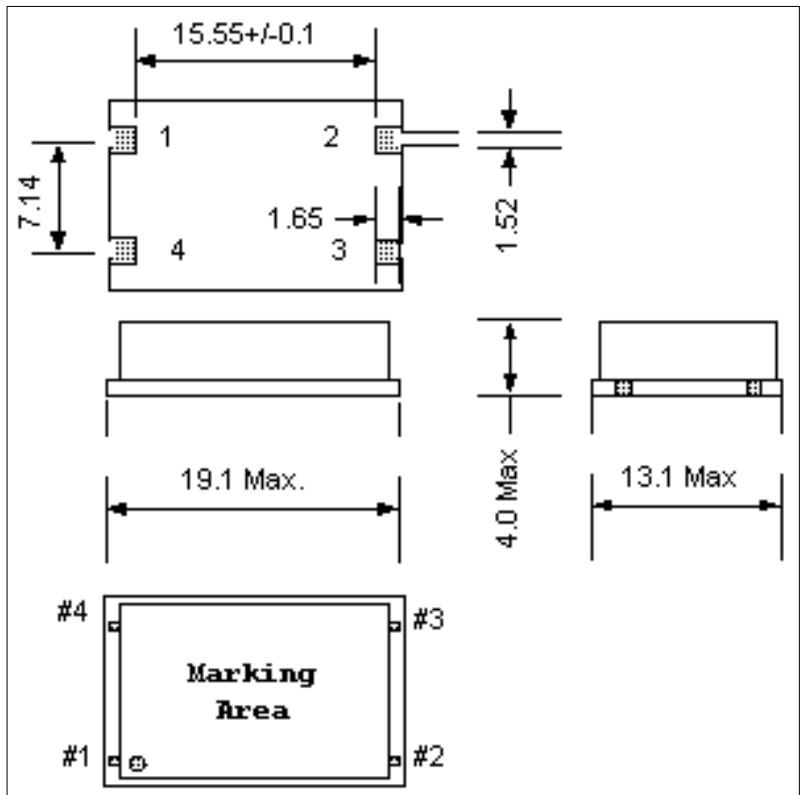
<b>MODEL</b>	<b>V41</b>	
<b>FREQ' RANGE</b>	1.00 to 200.00 MHz	
<b>TOTAL FREQ' STABILITY</b>	Standard: $\pm 50$ PPM	
<b>CALIBTATION TOLERANCE</b>	Typical: $\pm 15$ PPM Best: $\pm 5$ PPM	
<b>STABILITY VS. OPERATING TEMP' RANGE</b>	Typical: $\pm 25$ PPM Best: $\pm 5$ PPM	
<b>STABILITY VS. SUPPLY VOLTAGE VARIATION</b>	Typical: $\pm 3$ PPM Best: $\pm 1$ PPM	
<b>STABILITY VS. LOAD VARIATIONS</b>	Typical: $\pm 3$ PPM Best: $\pm 1$ PPM	
<b>AGING</b>	$\pm 1$ PPM Max. for the first year $\pm 4$ PPM Max. for the first 10 years Other options are available , See "How - To - Order" instructions	
<b>OPERATING TEMP' RANGE</b>	Defined by the customer as per the Order Instructions Table	
<b>OUTPUT WAVEFORM</b>	HCMOS $\pm 50$ PPM Min. $\pm 100$ PPM Max. High Level (Voh): 0.9Vcc Min. Low Level (Vol): 0.1Vcc Max. Symmetry: : ( $50 \pm 10\%$ ) or ( $50 \pm 5\%$ ) Rise/ fall Time: 5nSec Typ. PECL and ECL are available too , see "How - To - Order" instructions	
<b>STARTUP TIME</b>	10 mSec Max. at Min. supply voltage	
<b>LOAD</b>	50 pF Max.	
<b>SUPPLY VOLTAGE</b>	$\pm 5.0V$	+3.3V
<b>SUPPLY CURRENT</b>	15 mA Max. for F < 25.000 MHz 25 mA Max. for frequencies between 25.000 MHz to 40.000 MHz 45 mA Max. for F > 40.000 MHz	
<b>PULLING RANGE</b>	See "How - To - Order" instructions Typical $\pm 100$ PPM Min.	
<b>NOMINAL CONTROL VOLTAGE</b>	+2.5V	+1.65V
<b>CONTROL VOLTAGE RANGE</b>	+0.5 to +4.5V	+0.3 to +3.0V
<b>SLOPE</b>	Positive	
<b>LINEARITY</b>	$\pm 10\%$ Max.	
<b>MODULATION FREQUENCY</b>	10 KHz (3 dB)	
<b>INPUT IMPEDANCE</b>	50 KW Min.	
<b>SMD PACKAGE</b>	19.1 X 13.1 X 4.0 mm.	

<b>Environmental Conditions</b>
<b>SHOCK</b>
IEC 68-2-27 (Test Ea) 30G, 18 mSec, Half Sine
<b>VIBRATION</b>
IEC 68-2-6 (Test Fc), 0.35mm, 5G, 10-2000 Hz, 6 cycles/ axis (Fig.2, Table V)
<b>THERMAL SHOCK</b>
IEC 68-2-14 (Test Na), 30 Min. in each extreme temperature
<b>SOLDERING HEAT</b>
235°C ±5°C for 10 Sec. Max. Solder melting point: 217°C

**V41**

Pin	Function
1	Vc
2	GND
3	Output
4	Vcc

Dimensions in mm.



[SMD VCXO's](#) [to top](#)