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SMD VCXO's

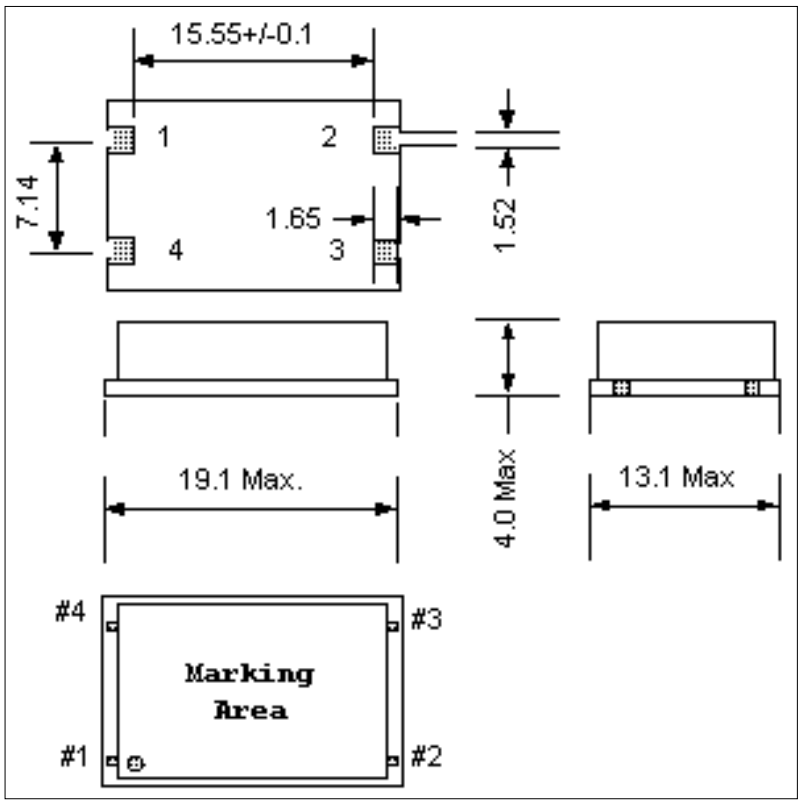
MODEL	V41	
FREQ' RANGE	1.00 to 200.00 MHz	
TOTAL FREQ' STABILITY	Standard: ±50 PPM	
CALIBTATION TOLERANCE	Typical: ±15 PPM Best: ±5 PPM	
STABILITY VS. OPERATING TEMP' RANGE	Typical: ±25 PPM Best: ±5 PPM	
STABILITY VS. SUPPLY VOLTAGE VARIATION	Typical: ±3 PPM Best: ±1 PPM	
STABILITY VS. LOAD VARIATIONS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

Environmental Conditions
SHOCK
IEC 68-2-27 (Test Ea) 30G, 18 mSec, Half Sine
VIBRATION
IEC 68-2-6 (Test Fc), 0.35mm, 5G, 10-2000 Hz, 6 cycles/ axis (Fig.2, Table V)
THERMAL SHOCK
IEC 68-2-14 (Test Na), 30 Min. in each extreme temperature
SOLDERING HEAT
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.



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