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Miniature SMD VCXO's, 5.0 x 7.0 mm.

MODEL	V71	
FREQ' RANGE	1.00 to 77.76 MHz	
TOTAL FREQ' STABILITY	Standard: ± 50 PPM Optional: ± 25 PPM.	
OPERATING TEMP' RANGE	-10°C to +70°C -40°C to +85°C	
OUTPUT WAVEFORM	PECL, HCMOS/ TTL Compatible High Level (Voh): 0.9 Vcc Min. Low Level (Vol): 0.1 Vc Max Symmetry: (50 \pm 10%) or (50 \pm 5%) Rise/ fall Time: 5 nSec Typ. PECL available too see "How - To - Order" instructions	
START TIME	10 mSec Max. at Min. supply voltage	
LOAD	50 pF Max.	
SUPPLY VOLTAGE	+5.0V	+3.3V
SUPPLY CURRENT	40mA Max. at no load	
PULLING RANGE	See "How - To - Order" instructions Typical ± 100 PPM Min.	
NOMINAL CONTROL VOLTAGE	+2.5V	+1.65
CONTROL VOLTAGE RANGE	+0.5 to +4.5V	+0.3 to +3.0V
SLOPE	positive	
LINEARITY	$\pm 20\%$ Max.	
MODULATION FREQUENCY	10 KHz (3 dB)	
INPUT IMPEDANCE	10 K Ω Min	
ENABLE / DISABLE	Enable: High (above 3.5V) or open Disable: Low (below 1.5V)	Enable: High (above 2.2V) or open Disable: Low (below 0.8V)
SMD PACKAGE	5.08 X 7.5 X 2.0 mm. max. Ceramic package, 6 pads	

Environmental Conditions

SHOCK

IEC 68-2-27 (Test Ea) 30G, 18 mSec, Half Sine

VIBRATION

IEC 68-2-6 (Test Fc), 0.35mm, 5G, 10-2000Hz, 6 cycles/ axis

THERMAL SHOCK

IEC 68-2-14 (Test Na), 30 min. in each extreme temperature

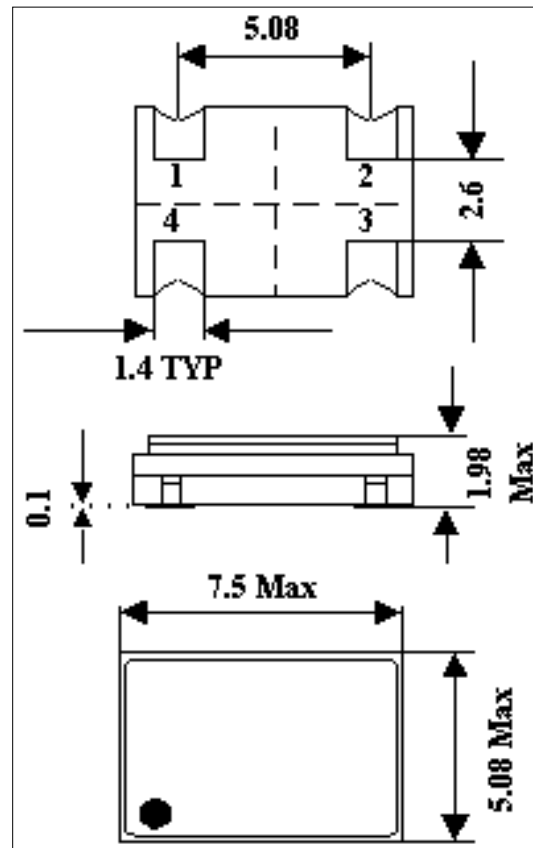
SOLDERING HEAT

235°C ±5°C for 10 Sec. Max. Solder melting point: 217°C

V71

Pin	Function
1	V Control
2	TRI-STATE
3	GND
4	RF Output
5	N/C
6	Vcc

Dimensions in mm.



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