

#### Helping Customers Innovate, Improve & Grow

Table 1. Electrical Performance					
Parameter	Symbol	Min.	Тур	Max	Units
Newsinal Evenues av	 	1.526		150.000	A41.1-
Nominal Frequency	F <sub>NOM</sub>	1.536		150.000	MHz
Mode		Fundamental, 3rd Overtone			
Operating Temperature Range	T <sub>OP</sub>	0/70, -10/70, -20/70, -40/85		°C	
Stability Over T <sub>OP</sub> 1	F <sub>STAB</sub>	±10		±100	ppm
Frequency Tolerance <sup>2</sup>	F <sub>TOL</sub>		±10		ppm
Load Capacitance	C <sub>L</sub>	6		32	pF
Shunt Capacitance	C <sub>。</sub>			5	pF
Drive Level			10	100	uW
Aging / 1st year (at 25 °C)	F <sub>AGE</sub>			±5	ppm
Insulation Resistance		500			MOhm
Storage Temperature	T <sub>sto</sub>	-40		90	°C
	Equivalent Se	eries Resistance			
Crystal Frequency 1.536MHz-2.000MHz 2.001MHz-2.456MHz 2.457MHz-3.000MHz 3.001MHz-4.000MHz 4.001MHz-5.000MHz 5.001MHz-8.000MHz 8.001MHz-10.000MHz 10.001MHz-50.000MHz, 3rd Overtone	ESR			500 450 350 90 70 60 30 25 40	Ohm

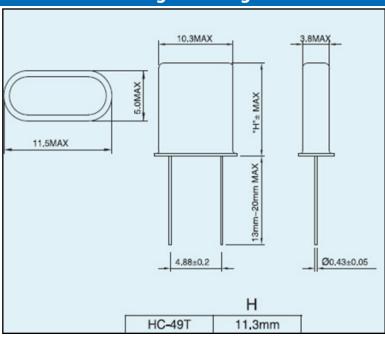
#### Notes:

- 1. Referenced to the Frequency at 25 °C.
- 2. Frequency measured at 25 °C  $\pm$  3 °C.

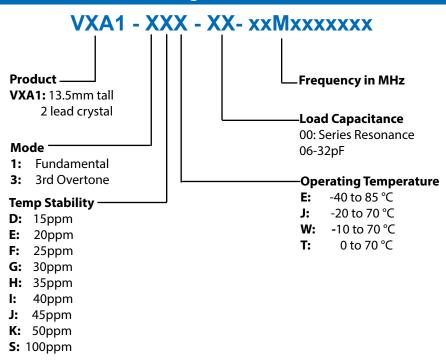
Product is compliant to RoHS directive and fully compatible with lead free assembly.



### **Package Drawing**



## **Ordering Information**



\*Note: not all combination of options are available. Other specifications may be available upon request.

15ppm stability not available for -40 to 85°C

# **Revision History**

<b>Revision Date</b>	Approved	Description	
August 30, 2016	RC	Initial datasheet for factory approval and release to customer.	
August 10, 2018	FB	Update logo and contact information	



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