

**Table 1. Electrical Performance**

Parameter	Symbol	Min.	Typ	Max	Units
Nominal Frequency	$F_{\text{NOM}}$	16.000		60.000	MHz
Mode		Fundamental, AT - Cut			
Operating Temperature Range	$T_{\text{OP}}$	0/70, -10/70, -20/70, -40/85			°C
Stability Over $T_{\text{OP}}^1$	$F_{\text{STAB}}$	±10		±100	ppm
Frequency Tolerance <sup>2</sup>	$F_{\text{TOL}}$		±10		ppm
Load Capacitance	$C_L$	6		32	pF
Shunt Capacitance	$C_o$			5	pF
Drive Level			10	100	uW
Aging / 1st year (at 25 °C)	$F_{\text{AGE}}$			±5	ppm
Insulation Resistance		500			MOhm
Storage Temperature	$T_{\text{STO}}$	-40		90	°C
<b>Equivalent Series Resistance</b>					
Crystal Frequency	ESR				Ohm
16.000MHz-20.000MHz				200	
20.001MHz-30.000MHz				100	
30.001MHz-60.000MHz				80	

Notes:

1. Referenced to the Frequency at 25 °C.
2. Frequency measured at 25 °C ± 3 °C.

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

## Package Drawing

