

Quartz Crystal HC35

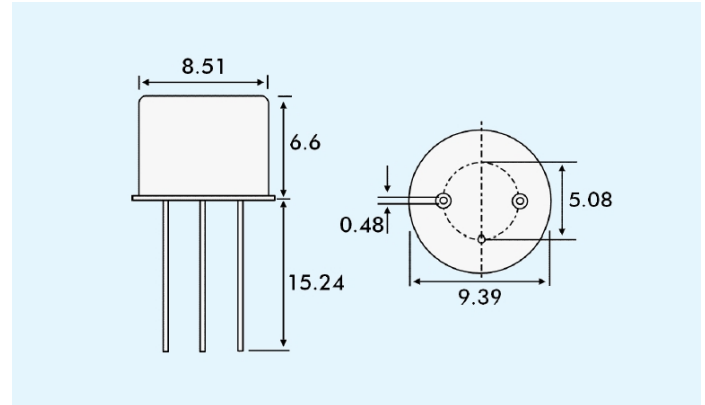
- TO5 Military Industry Standard Package
- wave soldering temperature: 260 °C max.
- package height 6.6 mm max.



General Data

type	HC35
frequency range	8 ~ 250.0 MHz
frequency tolerance	± 20 ppm / ± 30 ppm / ± 50 ppm
load capacitance C_L	6pF ~60 pF or series
shunt capacitance C_0	< 4 pF
storage temperature	-55 °C ~ +125 °C
drive level max.	100 uW maximum
aging	< ± 2 ppm first year

Dimensions



Operating Temp. Ranges	Frequency Stability						
	1 ±5 ppm	2 ±10 ppm	3 ±15 ppm	4 ±20 ppm	5 ±25 ppm	6 ±50 ppm	7 ±100 ppm
A 0 to 50°C	Y	Y	Y	Y	Y	Y	Y
B -10 to 60°C	Y	Y	Y	Y	Y	Y	Y
C -20 to 70°C	Y	Y	Y	Y	Y	Y	Y
D -30 to 80°C	N	N	Y	Y	Y	Y	Y
E -40 to 85°C	N	N	N	Y	Y	Y	Y
F -55 to 105°C	N	N	N	N	Y	Y	Y
G -55 to 125°C	N	N	N	N	N	Y	Y
Environmental And Mechanical							
Mechanical Shock	Per MIL-STD-202 ,Method 213 ,Cond.E						
Thermal Shock	Per MIL-STD-883 ,Method 1011 ,Cond.A						
Vibration	Per MIL-STD-883 ,Method 2007 ,Cond.A						
Seal	Per MIL-STD-883, Method 1014, Cond.B						
Solderability	Per MIL-STD-883 ,Method 2003 ,Cond.A						

VIBRATION MODE,ESR & SHUNT CAPACITANCE

frequency in MHz	vibration mode	ESR max. in Ω	C_0 in pF
8.0-9.9	fund.- AT	80	2.5
10.0-10.99	fund.- AT	60	3.0
11.0 ~ 12.9	fund.- AT	40	4.0
13.0 ~ 45.0	fund.- AT	25	4.0
30.0 ~ 50.0	AT 3 rd OT	40	4.0
50.1-100.0	AT 5 th OT	50	4.0
80.0 ~ 200	AT 7 th OT	70	4.0
150 ~ 250	AT 9 th OT	120	4.0

Part Numbering Guide

