RHC-49US



SMD Microprocessor Crystal

Reliable resistance welded SMD microprocessor crystal with high stability and calibration tolerance options available.

Product description

Applications

- Consumer
- Industrial
- Telecommunications

Features

- · Low cost
- High stability
- Wide frequency range
- AT/BT fundamental, or third overtone crystal modes

Specifications

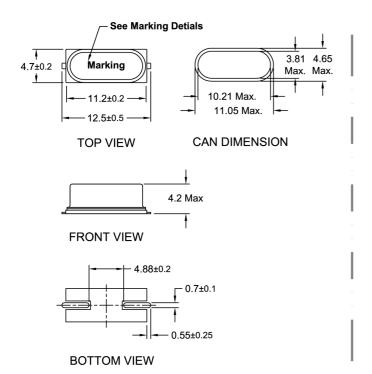
1.0	SPECIFICATION REFERENCE					
Line	Parameter	Description				
1.1	Model description	RHC-49US SMD, 2 pin				
1.2	RoHS compliant	Yes				
1.3	Reference number					
1.4	Rakon part number					
1.5	Package	13 x 4.9 x 4.2 mm Max.				
2.0	FREQUENCY CHARACTERISTICS					
Line	Parameter	Test Condition	Value	Unit		
2.1	Frequency	AT cut: 3.4875 to 36 MHz; BT cut: 24 to 44 MHz; 3rd overtone: 24.576 to 75 MHz	3.4875 to 75	MHz		
2.2	Calibration tolerance	Frequency at 25°C ±2°C and specified load capacitance	±5 to 50	ppm		
2.3	Frequency stability over temperature	Referenced to frequency reading at 25°C and the specified load capacitance	±3 to 50	ppm		
2.4	Temperature range	Operating temperature	-40 to 85	°C		
2.5	Long term stability	Frequency drift over 1 year at 25°C	±3 to 5	ppm		
3.0	ELECTRICAL					
Line	Parameter	Test Condition	Value	Unit		
3.1	Load capacitance (CL)	Frequency is calibrated at room temperature	5 to 50	pF		
3.2	Shunt capacitance (C0)	Operating specification	5 max	pF		
3.3	Drive level	Typically 100 μW	1000 max	μW		
3.4	Equivalent series resistance (ESR)		25 to 150	Ω		
3.5	Insulation resistance (IR)	DC 100V ±15V at 25°C	500 min	МΩ		

SHENZHEN YIJIN ELECTRONICS CO: LTD TEL: 0755-27876565

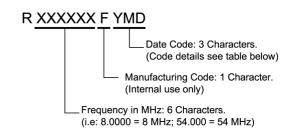
18924600166 QQ: 857950243 http://www.vc-tcxo.com

Drawing Name: RHC-49US SMD Model Drawing

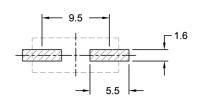
MODEL OUTLINE



MARKING DETAILS



RECOMMENDED PAD LAYOUT - TOP VIEW



Y - Year Code

Code	Year	Code	Year
Α	2010	N	2023
В	2011	0	2024
С	2012	Р	2025
D	2013	Q	2026
E	2014	R	2027
F	2015	S	2028
G	2016	T	2029
H	2017	U	2030
1	2018	V	2031
J	2019	W	2032
K	2020	X	2033
L	2021	Υ	2034
M	2022	Z	2035

M - Month Code

Code	Month
1	Jan
2	Feb
3	Mar
4	Apr
5	May
6	Jun
7	Jul
8	Aug
9	Sep
Α	Oct
В	Nov
С	Dec

D - Day Code

Code	Day	Code	Day	Code	Day
1	1	Е	14	R	27
2	2	F	15	S	28
3	3	G	16	T	29
4	4	H	17	U	30
5	5	1	18	V	31
6	6	J	19		
7	7	K	20		
8	8	L	21		
9	9	M	22		
Α	10	N	23		
В	11	0	24		
С	12	Р	25		
D	13	Q	26		

TITLE: RHC-49US SMD MODEL

RELATED DRAWINGS:

REVISION: A
DATE: 12-Sep-12
SCALE: 2:1

Millimetres

 $\begin{array}{lll} \text{TOLERANCES:} \\ \text{XX} & = \\ \text{X.X} & = \pm 0.2 \\ \text{X.XX} & = \pm 0.10 \\ \text{X.XXX} & = \\ \text{X}^{\circ} & = \\ \text{Hole} & = \\ \end{array}$

rakon
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