

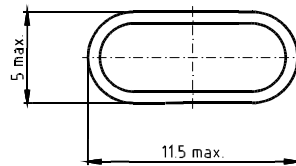
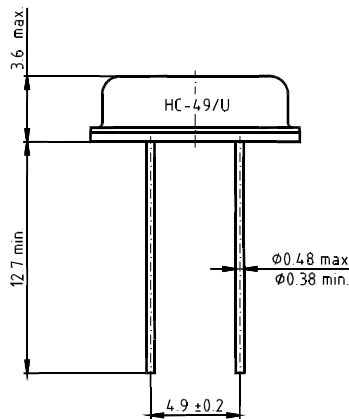
Typical Applications

Telecom, industrial,
micro processor crystals

Features

HC-49/U low profile, leaded,
height : 3.6 mm max.

Enclosure



all units in mm

Frequency range

3.579545 MHz to 60.000 MHz

Standard frequencies

In MHz			
3.579545	7.372800	12.000000	20.000000
3.686400	8.000000	14.318180	24.000000
4.000000	9.830400	15.360000	32.000000
4.194304	10.000000	16.000000	40.000000
4.433619	11.059200	18.432000	60.000000

Adjustment tolerance

± 30 ppm @ 25 °C

Load Capacitance

C_L

30 pF or series (S)

Temperature stability

± 50 ppm from -20 ... + 70 °C

Resonance resistance

R_r max.

Resonance resistance & overtone		
Frequency range	R_r max.	Overtone
3.579545...3.999 MHz	200	1. (fundamental)
4.000.....4.999 MHz	150	1. (fundamental)
5.000.....7.999 MHz	120	1. (fundamental)
8.000.....11.999 MHz	80	1. (fundamental)
12.000.....13.999 MHz	60	1. (fundamental)
14.000.....23.999 MHz	50	1. (fundamental)
24.000.....27.000 MHz	40	1. (fundamental)
27.000.....60.000 MHz	80	3.

Shunt capacitance

C_0

< 7 pF

Ageing

< ± 5 ppm / year @ 25 °C

Drive Level

P_q

0.1 mW

Packing

See handling & processing note.

Ordering Code

EN1.	30		16000.0 kHz
type + overtone	load capacitance	blank	frequency

- Note:
- 1 Additional parameters : see frame specification TQE 9000
 - 2 Subject to technical modification
 - 3 Not all options are available at all frequencies. Consult us for details.