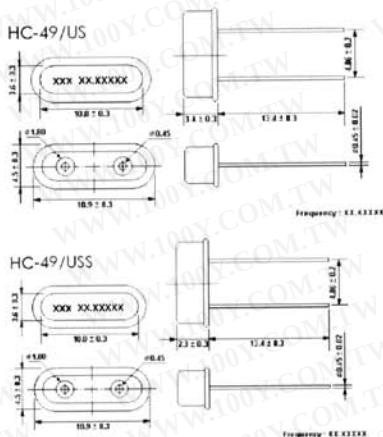


QUARTZ CRYSTAL

KP-49/US KP-49/USS TYPE

FEATURE

- Metal welded package
- High shock resistance
- Excellent frequency aging stability
- High heat resistance



DIMENSIONS

勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-54151736
 勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

Table 1

Frequency stability (ref. to 25°C)

operating temp	±20ppm	±30ppm	±50ppm
0-50°C	O	O	O
-10 - 60°C	O	O	O
-20 - 70°C	O	O	O

Table 2

Equivalent series resistance (esr)

Frequency(MHz)	Mode	ESR(max Ω)
3.5-4.9	Fundamental	120-200
5.0-7.9	Fundamental	70-100
8.0-9.9	Fundamental	50-70
10-19.9	Fundamental	30-50
20-29.9	Fundamental	30
30-39.9	Fundamental	30
30-66	3rd overtone	80-120

SPECIFICATION

FREQUENCY RANGE

3.5-66.0 MHz

OSCILLATION MODE

AT CUT Fundamental, 3rd, 5th

FREQUENCY TOLERANCE

±20, ±30, ±50ppm at 25°C

OPERATING TEMPERATURE CHARACTERISTICS

See table 1

LOAD CAPACITANCE

Series, 16, 20, 30, 32pF or special

DRIVE LEVEL

From 100μW to 500μW

PARALLEL CAPACITANCE

7.0pF max or special

SERIES RESISTANCE

See table 2

INSULATION RESISTANCE

More than 500MΩ at DC 100V

AGING

±5ppm/year

MEASURE INSTRUMENT

Saunders 250B