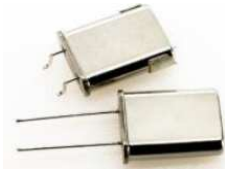


高信頼性水晶振動子 HC-49/U

HIGH RELIABILITY CRYSTAL UNITS



HC-49/U (SMD TYPE: J)

温度特性、経時変化変化に優れ、移動体通信、マルチメディア関係までの幅広い用途に最適です。

Excellent Temperature characteristic, Aging and suitable for the various such as mobile communications and multimedia etc.

Main Applications

- ☆ 通信機器装置/Telecommunication equipment
- ☆ 携帯電話, GPS/Portable phone, GSM, GPS

特長 / Features

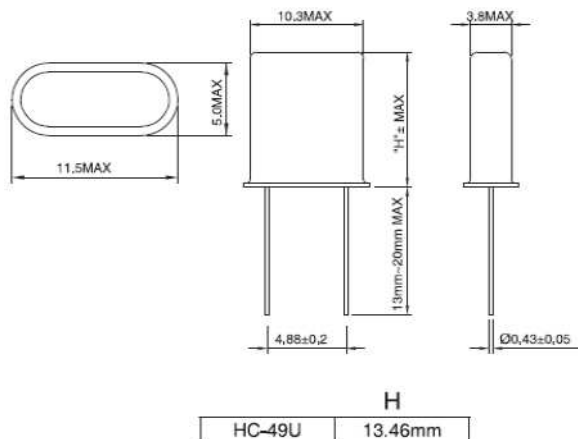
- ☆ 高安定、高信頼性/High reliability
- ☆ リフロー可能です。(Jタイプ)/Reflow available. (J type)
- ☆ エンボステーピングによる自動実装可能/Automatic and perfect packaging due to emboss taping.
- ☆ 鉛フリー、RoHS指令対応品 / Pb free, RoHS compliant

仕様 / Specification

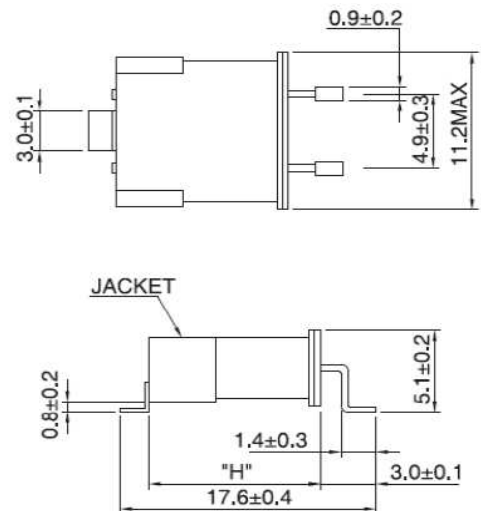
仕様/Specification	
項目 / Item	HC-49/U (SMD type: J)
周波数 / Frequency	1.8432 ~ 40.0MHz 40.0 ~ 200.0MHz
振動モード / Oscillation mode	AT cut, Fundamental, 3rd, 5th overtone
周波数偏差 / Frequency tolerance	±10ppm ~ ±50ppm at 25°C
温度特性 / Temperature tolerance	-40°C ~ +125°C
並列容量 / Shunt capacitance	7pF max.
負荷容量 / Load capacitance	6pF~32pF
ドライブレベル / Drive level	100 μW Max.
経時変化 / Aging ΔF/F	±3ppm max. (25°C±3°C) (First year)

Specifications, which are different from those above, may be acceptable.

外形寸法 / Dimensions (mm)



Gull Wing (SMD Type J)



等価直列抵抗 / Equivalent series resistance

	周波数帯(MHz)	CI (Ω) max
A T 基 本 波	1.8432~3.0	400
	3.0~3.499	150
	3.5~4.0	90
	4.0~7.0	60
	7.0~16.0	40
	16.0~30.0	25
3rd	30.0~75.0	40
5th	75.0~125.0	70