



TAI-SAW TECHNOLOGY CO., LTD.

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Approval Sheet For Product Specification

Issued Date: Dec 11 2001

Product Name: HC49US-SMD 36MHz Crystal Resonator

TST Parts No.: TZ0149A

Customer Parts No.: _____

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Yian Chen

Approval by: _____ T.F. Yang

Date: _____ Dec 11 2001



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HC-49/US-SMD Crystal Resonator

MODEL NO.: TZ0149A

REV. NO.: 1

RoHS Compliant
Lead free
Lead-free soldering

Electrical Specifications:

	Specification
Nominal Frequency	36.0 MHz
Mode of Vibration	Fundamental
Storage Temperature Range	-50°C to +125°C
Operating Temperature Range	-10°C to +60°C
Frequency Stability over Operating Temperature	+/-30 ppm
Frequency Make Tolerance	+/-30 ppm @ 25°C +/- 3°C
Resonance Resistance(R)	80 Ω max.
Shunt Capacitance (Co)	7 pF max
Drive Level	100 uW nominal
Load Capacitance-CL	18.0 pF
Aging	+/-3.0 ppm/year @25°C
Marking	Inerasable marking (Laser or Ink)
Insulation Resistance	500M Ω min at DC 100V

Mechanical Dimensions (mm):	Marking:
Dimension in mm/inch MARKING AREA 10.3 MAX .405" MAX 3.8 MAX .150" MAX 0.7 0.030" 12.0 MAX .472" MAX 1.0±0.1 .04"±.004" 4.7 MAX .185" MAX 13.5 MAX .531" MAX 4.6 MAX .181" MAX	“D” is datecode