Hang Crystal International

QUARTZ CRYSTAL UNIT
049ST2

QUARTZ CRYSTAL UNIT IN HC-49/S THRU-HOLE PACKAGE WITH 2 LEADS.

PRODUCT FEATURES

- Dimensions 11x4.6, height 3.5 or 2.5mm with 2 leads.
- Ideal for low frequencies.
- Optional insulation spacer and cut leads available.
- Optional packaging on Tape & Reel available.
- RoHS compliant, LEAD-FREE and HALOGEN-FREE.

PRODUCT PHOTO (NOT IN SCALE)

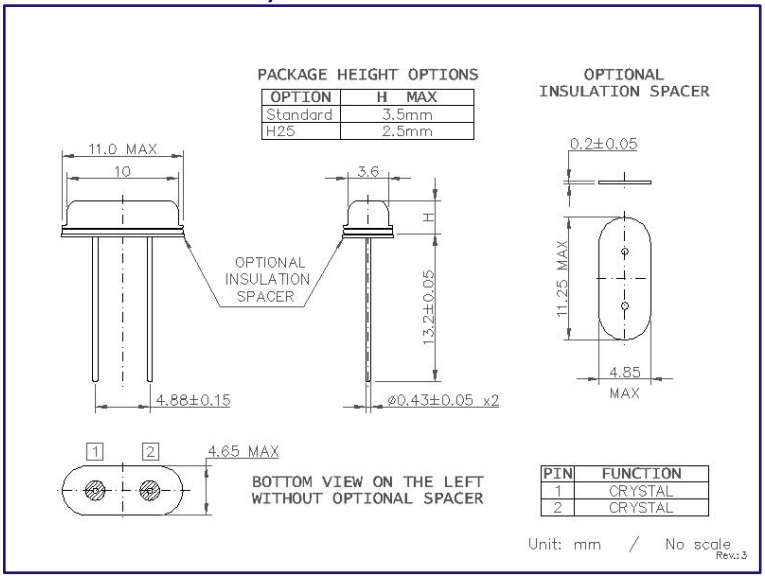
APPLICATIONS

- TV, Radio
- Computer
- Test Equipment
- Consumer equipment

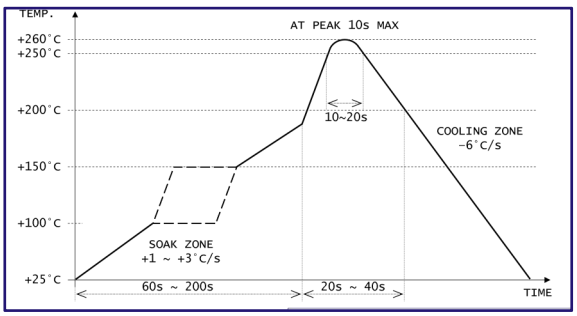
PRODUCT SPECIFICATIONS

PARAMETER	049ST2		CONDITIONS / REMARKS
Nominal frequency range	3.0 ~ 80.0MHz		Fundamental up to 48MHz and 3rd overtone above 24MHz.
Crystal cut and mode	AT-cut / FUND & 3rd OT		
Frequency tolerance	±10ppm / ±20ppm / ±30ppm		Other options available.
Frequency stability	±10ppm	±30ppm	Other options available.
Operating temperature range	-20 to +70°C	-40 to +85°C	Other options available.
Equivalent series resistance	200Ω ~ 100Ω		FUND – 3.0 to 5.9MHz
	80Ω ~ 60Ω		FUND – 6.0 to 8.9MHz
	50Ω ~ 40Ω		FUND – 9.0 to 15.9MHz
	<30Ω		FUND – >16.0MHz
	100Ω ~ 40Ω		3rd OT – 24.0 to 80.0MHz
Load capacitance	4 ~ 32pF or SERIES		Please specify.
Shunt capacitance	<7pF		--
Drive level	100μW TYP / 500μW MAX		--
Aging first year	±5ppm		@+25°C

PACKAGE OUTLINE / DIMENSIONS



PACKAGING INFORMATION

- Bulk packaging in vinyl bags and boxes.
- QTY per bag: 100pcs MAX.
- QTY per box: 1,000pcs MAX.
- Optional T&R: 1,000pcs / reel

RECOMMENDED WAVE SOLDER PROFILE