

**QUARTZ CRYSTAL UNIT IN HC-49/S SMD PACKAGE WITH 4 LEADS.**
**PRODUCT FEATURES**

- Dimensions 13.0x4.7, height 4.0 or 4.7mm with 4 leads.
- Ideal for low frequencies.
- RoHS compliant, LEAD-FREE and HALOGEN-FREE.

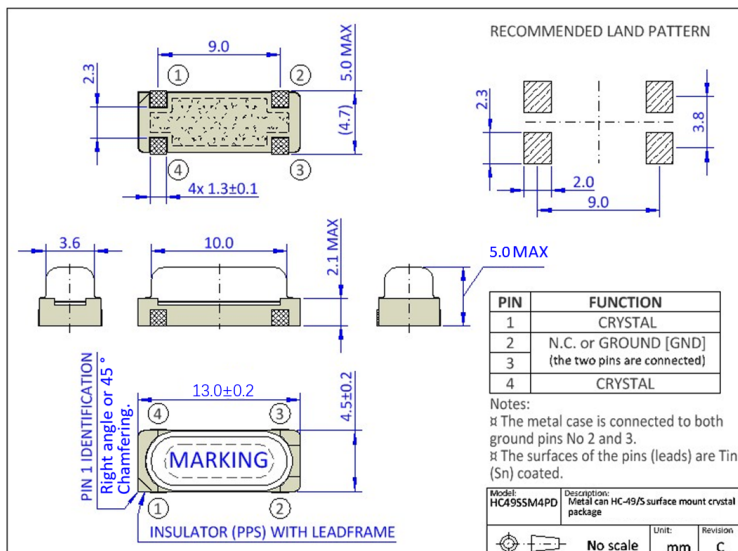
**PRODUCT PHOTO (NOT IN SCALE)**

**APPLICATIONS**

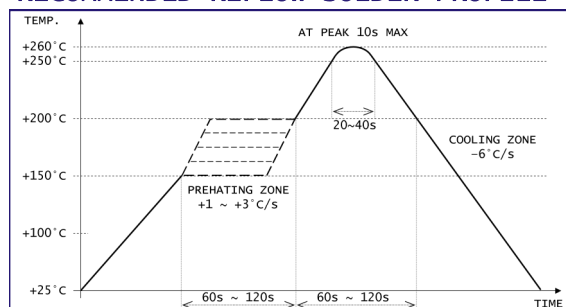
- TV, Radio
- Industrial equipment
- Test Equipment
- Consumer equipment

**PRODUCT SPECIFICATIONS**

PARAMETER	049SS4	CONDITIONS / REMARKS
Nominal frequency range	3.2 ~ 40.0MHZ	Fundamental up to 40MHz 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	120Ω ~ 100Ω 80Ω ~ 60Ω 50Ω ~ 40Ω <30Ω	FUND - 3.2 to 5.9MHz FUND - 6.0 to 8.9MHz FUND - 9.0 to 15.9MHz FUND - >16.0MHz
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**

- Tape & Reel compliant to EIA-481.
- Embossed carrier width 24mm.
- Component pitch in carrier 12mm.
- Reel diameter 330mm.
- QTY per reel: 1,000pcs MAX.

**RECOMMENDED REFLOW SOLDER PROFILE**


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