

**QUARTZ CRYSTAL UNIT IN HC-49/S SMD PACKAGE WITH 2 LEADS.**
**PRODUCT FEATURES**

- Dimensions 11.4x4.7, height 4.2 or 3.2mm with 2 leads.
- Ideal for low frequencies.
- RoHS compliant, LEAD-FREE and HALOGEN-FREE.

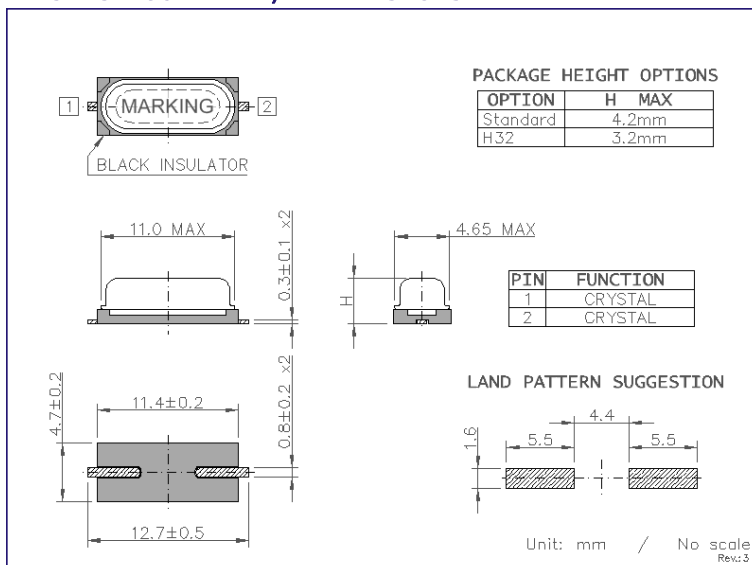
**PRODUCT PHOTO (NOT IN SCALE)**

**APPLICATIONS**

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

**PRODUCT SPECIFICATIONS**

PARAMETER	X49SS2		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 80Ω ~ 60Ω 50Ω ~ 40Ω <30Ω 100Ω ~ 40Ω		FUND - 3.0 to 5.9MHz FUND - 6.0 to 8.9MHz FUND - 9.0 to 15.9MHz FUND - >16.0MHz 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**

- 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 WAVE SOLDER PROFILE**
