

**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.

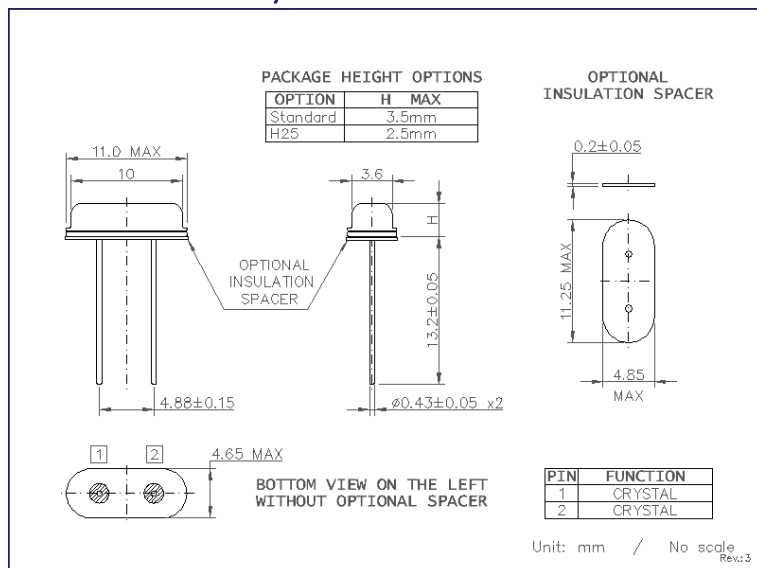
**APPLICATIONS**

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

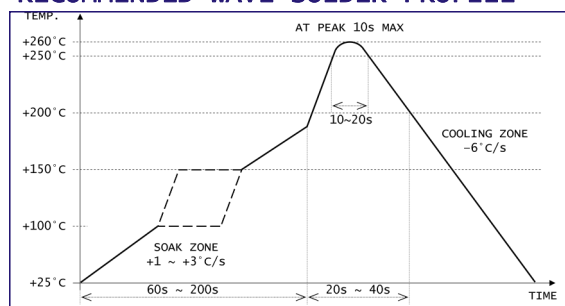
**PRODUCT PHOTO (NOT IN SCALE)**

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


## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Crystals](#) category:*

*Click to view products by [HCI](#) manufacturer:*

Other Similar products are found below :

[CX3225GB25000M0PPSZ1](#) [718-13.2-1](#) [7A-40.000MAAE-T](#) [FL2000085](#) [99-BU](#) [9B-15.360MBBK-B](#) [9C-7.680MBBK-T](#) [H10S-12.000-18-EXT-TR](#) [ABC2-6.000MHZ-D4Z-T](#) [ABLS-20.000MHZ-D2-T](#) [ABS071-32.768KHZ-6-T](#) [R38-32.768-12.5-5PPM-NPB](#) [BTD1062E05A-513](#) [21U15A-21.4MHZ](#) [RTX-781DF1-S-20.950](#) [LFXTAL066198Cutt](#) [9C-14.31818MBBK-T](#) [A-11.000MHZ-27](#) [ABL-27.000MHZ-B4Y-T](#) [ABM11-132-24.000MHZ-T3](#) [ABM3B1-25.000MHZ-D2Y-T](#) [SPT2A-.032768B](#) [SPT2A.032768G](#) [LFXTAL065253Cutt](#) [LFXTAL066431Cutt](#) [XT9S20ANA14M7456](#) [XT9SNLANA16M](#) [7A-24.576MBBK-T](#) [7B-30.000MBBK-T](#) [CX2520DB16000H0HPQCC](#) [MMCC2R32.7680KHZ](#) [6504-202-1501](#) [6526-202-1501](#) [ABLS-12.000MHZ-B2Y-T](#) [7A-10.000MBBK-T](#) [SG636PCE-20.000MC](#) [3404](#) [CM315D32768EZFT](#) [C1E-24.000-7-2020-R](#) [C1E-19.200-12-1530-X-R](#) [C1E-16.000-12-1530-X-R](#) [ABM11-16.000MHZ-9-B1U-T](#) [FL5000014](#) [EUCA18-3.1872M](#) [FX0800015](#) [425F35E027M0000](#) [FP0800018](#) [MS3V-T1R-32.768kHz-7pF-20PPM-TA-QC-Au](#) [VXM7-1C1-16M000](#) [MS3V-T1R-32.768kHz-9pF-20PPM-TA-QC-Au](#)