

**QUARTZ CRYSTAL UNIT IN HC-49/S SMD PACKAGE WITH 3 LEADS.**
**PRODUCT FEATURES**

- Dimensions 11.4x4.7, height 4.2 or 3.2mm with 3 leads.
- Ideal for low frequencies.
- RoHS compliant, LEAD-FREE and HALOGEN-FREE.

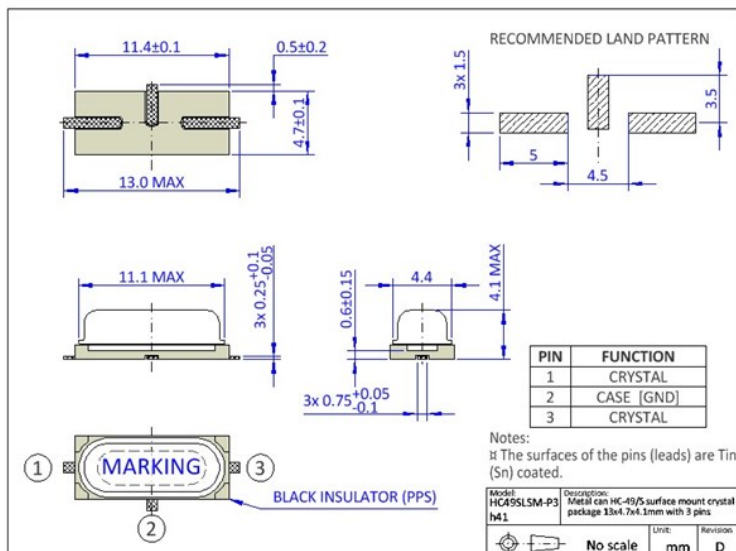
**APPLICATIONS**

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

**PRODUCT PHOTO (NOT IN SCALE)**

**PRODUCT SPECIFICATIONS**

| PARAMETER                    | 049SS3                                        | 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<br>80Ω ~ 60Ω<br>50Ω ~ 40Ω<br><30Ω | FUND - 3.2 to 5.9MHz<br>FUND - 6.0 to 8.9MHz<br>FUND - 9.0 to 15.9MHz<br>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**
