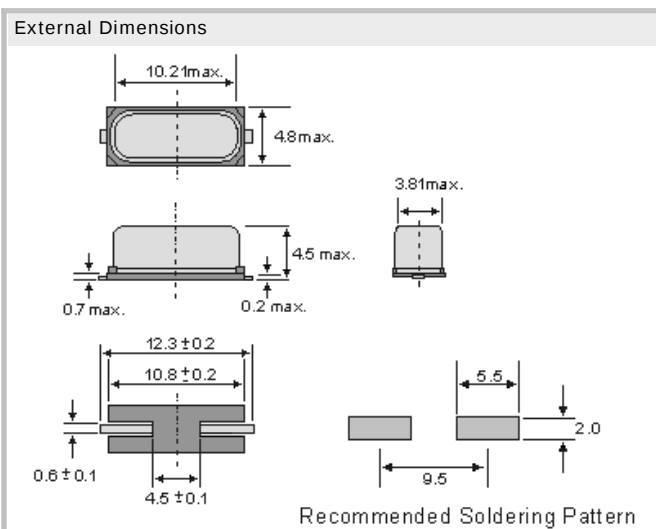


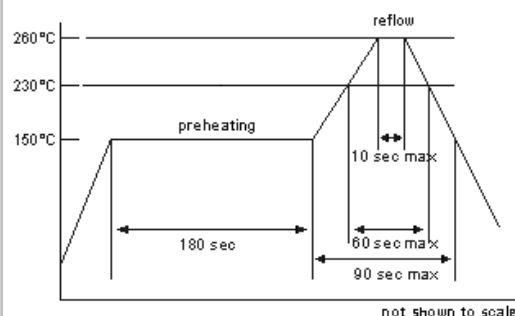


Quartz Crystal Unit HC49SM, h = 4.5mm max.

- Standard Quartz Crystal SMD with 2 pads
- Metal Case
- on Tape & Reel
- Available in many standard and special frequencies
- RoHS conform; Lead-free product



## Soldering Conditions



## Specifications

|                               |                                                                                                                                            |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Holder Type:                  | HC-49SM with 2 pads                                                                                                                        |
| Frequency Range:              | 3.000 to 70.000 MHz (fun.)<br>27.000 to 70.000 MHz (3rd)                                                                                   |
| Frequency Stability at 25°C:  | ±10 to ±50 ppm                                                                                                                             |
| Temperature Stability:        | ±10 to ±30 ppm @ -10°C to +60°C<br>±10 to ±30 ppm @ -20°C to +70°C<br>±15 to ±50 ppm @ -40°C to +85°C<br>±50 to ±100 ppm @ -40°C to +105°C |
| Storage Temperature:          | -50°C to +105°C                                                                                                                            |
| Drive Level:                  | 100µW (500µW max.)                                                                                                                         |
| Load Capacitance (CL):        | 8pF to 32pF, series (00)                                                                                                                   |
| Shunt Capacitance (C0):       | < 7pF                                                                                                                                      |
| Crystal Cut & Vibration Mode: | AT-cut, BT-cut, fundamental; - 3rd overtone                                                                                                |
| Equivalent Series Resistance: | R = 40 Ohm (fun.) - 150 Ohm max. (series 70k Ohm max.)                                                                                     |
| Aging:                        | < ±3ppm max. / year (max.)                                                                                                                 |

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