## ACT HC49/US-SMX (Custom Packages)

it's wide range of frequencies, stabilities and operating temperatures it is still small enough to fit mos applications including many hand held units and is the economical solution for automatic assembly. With it's available tight tolerances / stabilities and available operating temperature ranges, the HC49/US-SMX is a favoured choice in many applications, including Communications, Industrial Controls, Microprocessor Systems, Vending, Security and Access Control.


Specification


## Recommended maximum re-flow profile



| Standard Frequencies |  |  |  |
| :--- | :--- | :--- | :--- |
| 3.579545 | 7.680 | 14.7456 | 22.1184 |
| 3.6864 | 8.192 | 15.000 | 22.5792 |
| 4.000 | 9.000 | 16.660 | 23.040 |
| 4.096 | 9.8304 | 16.670 | 24.000 |
| 4.9152 | 10.000 | 16.9344 | 25.000 |
| 5.000 | 10.240 | 17.734475 | 27.000 |
| 6.000 | 11.000 | 18.000 | 28.625 |
| 6.144 | 11.0592 | 18.432 | 28.636363 |
| 6.5539 | 12.000 | 19.6608 | 33.330 |
| 6.605 | 12.288 | 20.000 | 40.000 |
| 6.750 | 13.560 | 20.00014 | 48.000 |
| 7.3728 | 14.31818 | 22.080 | 50.000 |
|  |  |  |  |

HC49US SMX OUTLINE DIMENSIONS


HC49US SMX TAPE DIMENSIONS (mm)
STANDARD REEL QUANTITY 1000PCS


Please note that all parameters can not necessarily be specified in the same device
Customer to specify: Frequency Tolerance, Operating Temperature, Temperature Stability, Load Capacitance \& Mode/cut In line with our ongoing policy of product evolvement and improvement, the above specification may be subject to change without notice ISO9001:2000 Registered
For quotations or further information please contact us at 3 The Business Centre, Molly Millars Lane, Wokingham, Berkshire, RG41 2EY, UK
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SERIES : ACT HC49/USMX (Custom ) Part numbering codes PO / BM / QO / AT / PG / BK / RO


NOTES :

1) Tighter Stabilities, other Operating Temperature Ranges and CL's may be available as semi custom devices.
As each of these specification parameters impact on others, it is not always possible to combine all options in one device. Therefore, if a specification not catered for above is required, please contact us directly for the relevant part number code(s)
2) ACT are always happy to consider truly custom specification parts which may require non-standard specification parameters, specific testing, customer requested AQL requirements, non standard packaging or taping and reeling and custom marking. Such devices would normally be allocated a custom specification part number which is wholly customer specific.
( $E G$ : A 12.00MHz custom ACT49/USMX device may have a part number such as PO1200C- C1246-PF)
3) Frequencies below 10.000 MHz are prefixed with a " 0 " (eg: $0800 \mathrm{MHz}=8 \mathrm{MHz}$. Whereas 10.000 MHz is 1000 and a frequency of 100 MHz is 10000 .).
