resistance weld HC-49/U

February 29th 2012

The MIL standard HC-49/U, resistance weld enclosure is a versatile and cost effective package in which a wide range of commercial specifications are available for both standard and custom frequencies.

Generally used for AT cut resonators in microprocessor and peripheral equipment providing high quality at an economical price.

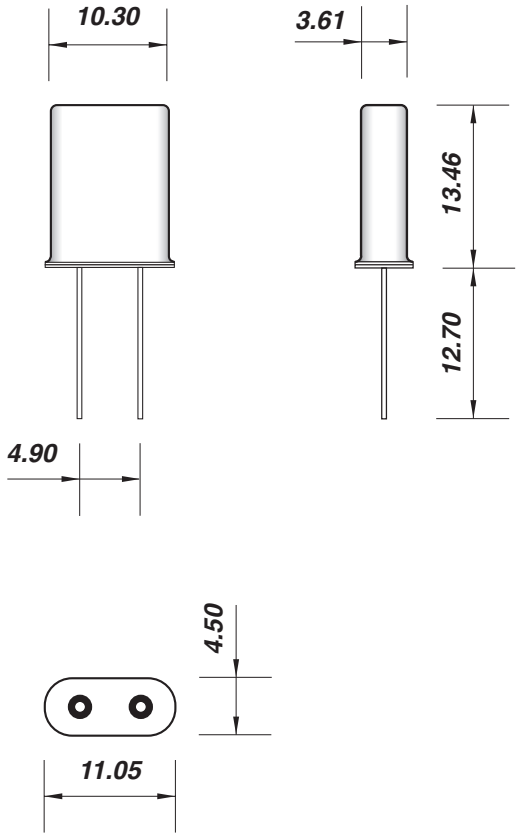
The pure dry nitrogen environment delivers good ageing and excellent thermal conductivity.

Custom specified with typical data as follows:

Specification data:

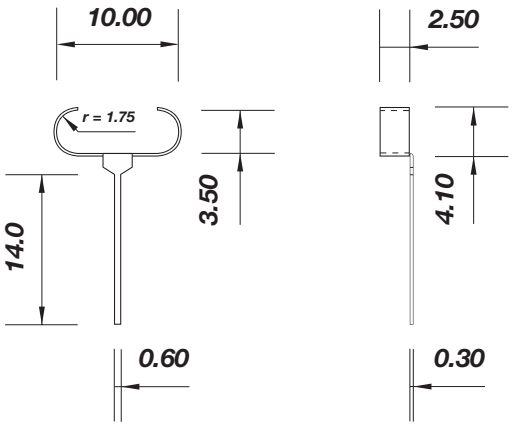
Environment	*dry nitrogen*
Quartz orientation	*AT cut*
Frequency range	*(3 ~ 35)MHz fundamental* *(10 ~ 110)MHz 3rd overtone* *(30 ~ 170)MHz 5th overtone* *(110 ~ 200)MHz 7th overtone*
Adjustment tolerance	*from ±3ppm at ref. temp.* *frequency dependent*
Thermal stability	*OCXO turn point from ±3°C* *TCXO from ±0.5´* *equivalent Ø angle* *XO from ±3ppm* *temperature dependent*
Operating temperature	*(-55 +105)°C* *custom specified*
Storage temperature	*(-40 +150)°C*
Load	*custom specified*
Shunt capacitance C_o	*(1.5 ~ 6.5)pF*
Suggested drive level	*(5 ~ 150)µW*
Q factor	*up to 250K, frequency and mode dependent*
Ageing - frequency dependent	*±1ppm typical, first year max.*
Insulation resistance	*500Meg. Ω min.* *at 100Vd.c.*

Dimensions(mm):



lead diameter 0.43

accessory: crystal grounding clip, hot tin-dipped brass. RoHS compliant



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