



The HC-45/U cold weld enclosure is ideally suited for the manufacture of precision AT and SC cut high reliability resonators where space is limited.

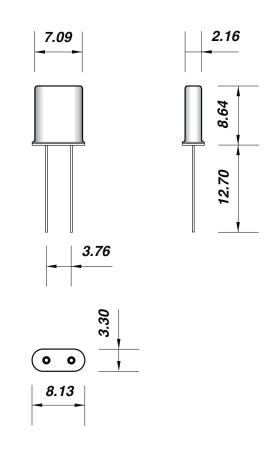
The smallest available package in the quartz crystal cold weld series.

The small volume allows for fast thermal transmission and the high vacuum environment ensures the best possible ageing and phase noise performance.

Custom specified with typical data as follows:

high vacuum

Dimensions(mm):



lead diameter 0.38

Specification data:

Frequency range

Quartz orientation

Environment

Adjustment tolerance

Thermal stability

Operating temperature

Storage temperature Load Shunt capacitance C_o Suggested drive level Q factor

Ageing - frequency dependent

Insulation resistance

AT, SC, IT cut (8 ~ 35)MHz fundamental (20 ~ 110)MHz 3rd overtone (60 ~ 175)MHz 5th overtone (110 ~ 200)MHz 7th overtone from ±3.0ppm at ref. temp. frequency dependent OCXO turn point from ±3°C TCXO from ±0.5 equivalent Ø angle XO from ±3ppm temperature dependent (-55 +105)°C custom specified (-40 +105)°C custom specified (1.5 ~ 5.5)pF (5 ~ 150)µW up to 400K, frequency, cut and mode dependent AT cut: ±0.5ppm typical, first year max. SC cut: ±0.2ppm typical, first year max. 500Meg. Ω min. at 100Vd.c.