The HC-26/U is an all glass high reliability enclosure providing unique resonator parameters.

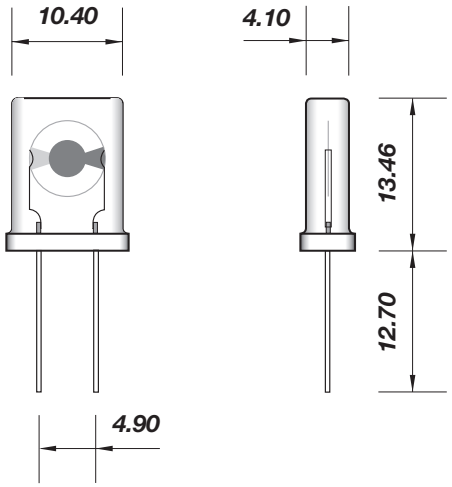
The seal is formed from the fusing together of a glass pyrex base and a glass envelope using rf heating in a high vacuum environment. This results in an exceptionally reliable seal manufactured from low outgassing materials.

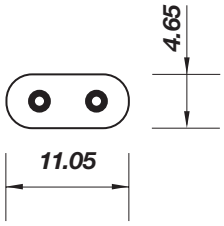
Benefits include a low magnetic signature, very good ageing, low thermal hysteresis and very high temperature resistance. Additionally the transparent envelope provides visual inspection of the crystal blank.

This holder can be used with SC cut, AT cut and IT cut resonators where high Q and low phase noise are desired parameters.

Custom specified with typical data as follows:

Dimensions(mm)





lead diameter 0.43

Specification data:

Environment	*high vacuum*
Quartz orientation	*SC cut, AT cut and IT cut*
Frequency range	*(4 ~ 25)MHz fundamental* *(12 ~ 70)MHz 3rd overtone* *(30 ~ 125)MHz 5th overtone* *(110 ~ 170)MHz 7th overtone*
Adjustment tolerance	*from ±3.0ppm 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	*(-40 +200)°C* *custom specified*
Storage temperature	*(-40 +160)°C*
Load	*custom specified*
Shunt capacitance C_o	*(1.5 ~ 6.5)pF*
Suggested drive level	*(5 ~ 150)µW*
Q factor	*up to 1 million, frequency, mode and cut dependent*
Ageing - frequency dependent	*AT cut: ±1ppm typical, first year max.* *SC cut: ±0.2ppm typical, first year max.*
Insulation resistance	*500Meg. Ω min.* *at 100Vd.c.*

Telephone: +1 905 623 4101, Fax: +1 905 623 3886
e-mail: sales@laptech.com website: www.laptech.com