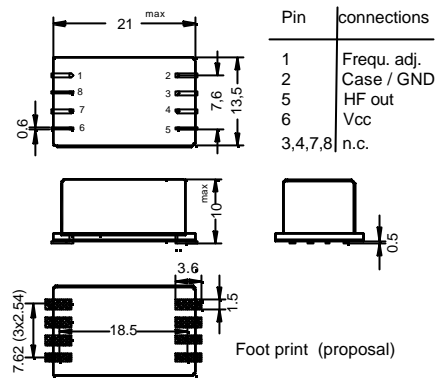


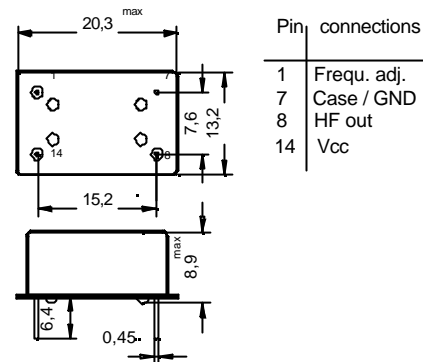
Exceptional stability-values in the

DIL - and SMD-size

The frequency-stability of this smallest OCXO's could still be clearly improved on the basis of improved circuit-design and use of miniaturized components on a ceramic-substrate .



Model QO1422S in SMD-size



Model QO13200 in DIL14-size

In the temperature-range from -20 to +70°C, stability-values can now be reached to less than 0,01 ppm.

A ceramic-substrate forms the basis of the circuit. The good temperature-behaviour of the material provides the necessary temperature-transfer in connection with suitable system-materials on the crystal.

The miniaturization means also a more inferior sensitivity against mechanical burdens like shock and vibration what benefits the reliability of the module and improves its technical data additionally on the other hand. Emerges from the reduction of the thermal mass a shortened warm-up (< 40s at room-temperature), and a reduced powerconsumption (< 0,4 W) could be reached.

In accordance with the high quality-claims of the company Quintenz, these oscillators are executed in hermetic metal-casings, filled with inert gas as well as in the DIL as also in the SMD-size.

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