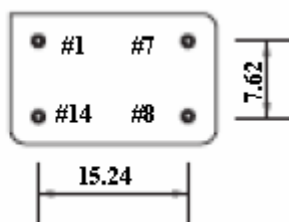
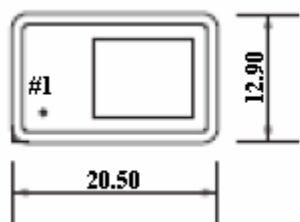


Voltage Controlled Crystal Oscillator RVCXO-40MHz-j1

code-j1



Pins viewed from bottom
pin diameter 0.46mm

Pin Connections:

#1 Tune
#7 ground/case
#8 output
#14 +Vcc

Custom specification:

Frequency: 40.0000 MHz
Tolerance: $\pm 15\text{ppm}(-40 +85)^\circ\text{C}$
Output: CMOS
Duty Cycle 50% $\pm 5\%$

Supply voltage: +5.0Vd.c.

Generic specification:

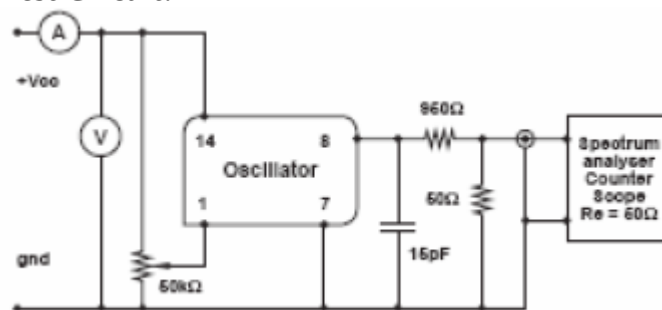
Stability:
Against Vcc change $\pm 0.02\text{ppm max.}, V_{cc} \pm 5\%$
Against load change $\pm 0.02\text{ppm max.}, \text{load} \pm 10\%$
Ageing short term $\pm 0.005\text{ppm max./day}$ after 30 days continuous operation
Ageing long term $\pm 2.0\text{ppm max./year}$ after 30 days continuous operation
Tune $\pm 30\text{ppm typical}$

Power supplies:
Current 20mA max.,
Insulation resistance 500Meg Ω min., 100Vd.c.

Phase noise:
Single sideband
-95dBc/Hz, $f_o + 10\text{Hz}$
-125dBc/Hz, $f_o + 100\text{Hz}$
-135dBc/Hz, $f_o + 1\text{KHz}$
-155dBc/Hz, $f_o + 10\text{KHz}$

Temperature:
Operating range $(-40 +85)^\circ\text{C}$
Storage range $(-40 +125)^\circ\text{C}$

Test Circuit:



Test circuit includes a 20:1 step down.

Environmental conditions:

Mechanical shock: MIL standard 202F, method 213, condition J
Thermal shock: MIL standard 202F, method 107, condition A
Vibration: MIL standard 202F, method 204, condition B
Solderability: 5 seconds max. $+230^\circ\text{C}$
3 seconds max. $+350^\circ\text{C}$
RoHs: RoHs Compliant.