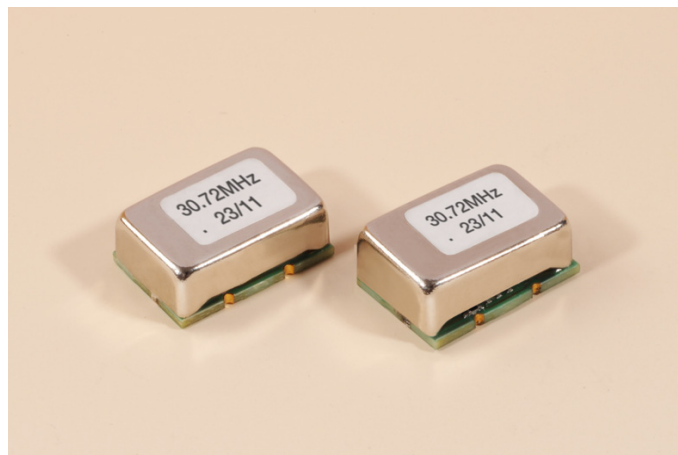




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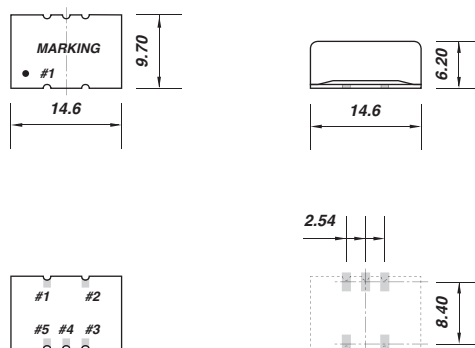
- Temperature tolerance $\pm 0.1\text{ppm}(-5 +70)^\circ\text{C}$
- Low profile miniature smd OCXO
- Good phase noise
- AT cut crystal
- +3.3V d.c. supply
- Fast warm up
- RoHS compliant



Generic specification:

frequency:	(10 ~ 40)MHz
output:	clipped sine wave 0.8Vp/p min., 10K Ω //10pF
stability:	
against temperature	$\pm 0.1\text{ppm}(-5 +70)^\circ\text{C}$
against V_{cc} change	$\pm 0.02\text{ppm max.}, V_{cc} \pm 5\%$
against load change	$\pm 0.02\text{ppm max.},$ load $\pm 10\%$
ageing short term	$\pm 0.003\text{ppm max. per day}$ after 30 days continuous operation
ageing long term	$\pm 1.0\text{ppm max. per year}$ after 30 days continuous operation
voltage trim V_t	$\pm 5\text{ppm minimum},$ $\pm 10\text{ppm typical}$ +1.5Vd.c. $\pm 1.5\text{Vd.c.}$ linearity $\pm 5\%$
trim input impedance	100K Ω min.
power supplies:	
supply voltage V_{cc}	+3.3Vd.c.
voltage reference	+3Vd.c.
start up current	750mA max. at -5°C
quiescent current	320mA max. at $+25^\circ\text{C}$
warm up time	2 minutes max. to within 0.5ppm of nominal
insulation resistance	500Meg Ω min., 100Vd.c.
phase noise:	-120dBc/Hz, $f_o + 100\text{Hz}$ -130dBc/Hz, $f_o + 1\text{kHz}$ -140dBc/Hz, $f_o + 10\text{kHz}$
temperature:	
operating range	$(-5 +70)^\circ\text{C}$
storage range	$(-40 +125)^\circ\text{C}$
marking:	part number, frequency, date code, serial number

Dimensions(mm):



pads viewed from bottom
pad size (1.0 x 1.5)mm

suggested land pattern
pad size (1.2 x 2.5)mm

Pin connections:

- # 1 tune
- # 2 ground/ case
- # 3 output
- # 4 V_{ref} or N/C
- # 5 $+V_{cc}$

Test circuit:

