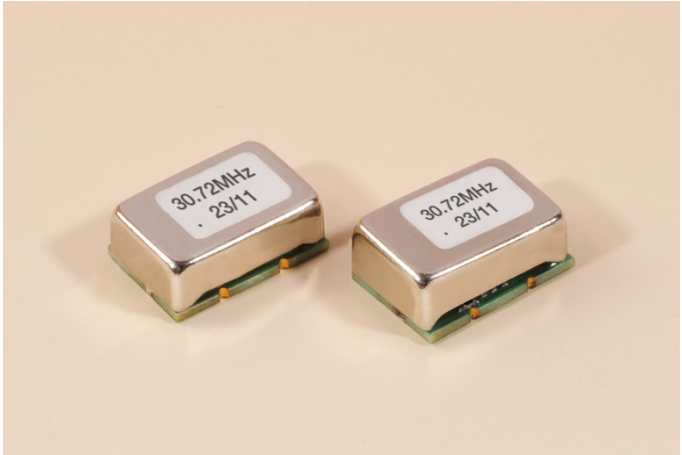
OA151 - 6

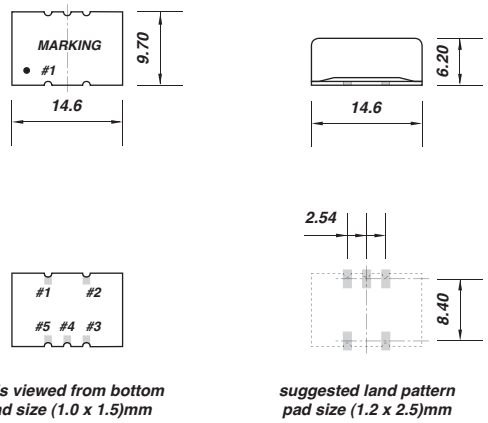
- **Temperature tolerance ±0.1ppm(-5 +70)°C**
- **Low profile miniature smd OCXO**
- **Good phase noise**
- **AT cut crystal**
- **+3.3V d.c. supply**
- **Fast warm up**
- **RoHS compliant**



Generic specification:

frequency:	(10 ~ 40)MHz
output:	clipped sine wave 0.8Vp/p min., 10KΩ//10pF
stability:	
against temperature	±0.1ppm(-5 +70)°C
against V_{cc} change	±0.02ppm max., V_{cc} ±5%
against load change	±0.02ppm max., load ±10%
ageing short term	±0.003ppm max. per day after 30 days continuous operation
ageing long term	±1.0ppm max. per year after 30 days continuous operation
voltage trim V_t	±5ppm minimum, ±10ppm typical +1.5Vd.c. ±1.5Vd.c. linearity ±5%
trim input impedance	100KΩ 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°C
warm up time	2 minutes max. to within 0.5ppm of nominal
insulation resistance	500MegΩ min., 100Vd.c.
phase noise:	-120dBc/Hz, f_o+100Hz -130dBc/Hz, f_o+1kHz -140dBc/Hz, f_o+10kHz
temperature:	
operating range	(-5 +70)°C
storage range	(-40 +125)°C
marking:	part number, frequency, date code, serial number

Dimensions(mm):



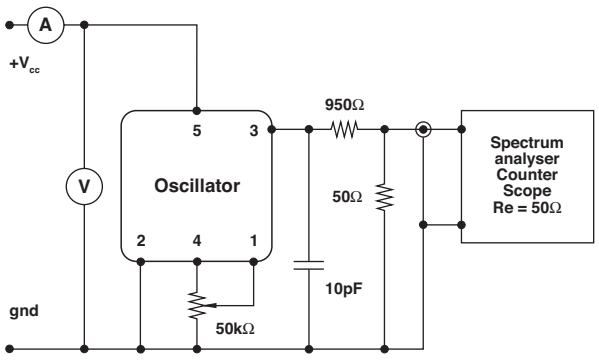
pads viewed from bottom
pad size (1.0 x 1.5)mm

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:



Telephone: +44 (0)1903 740000, e-mail: sales@tfc.co.uk