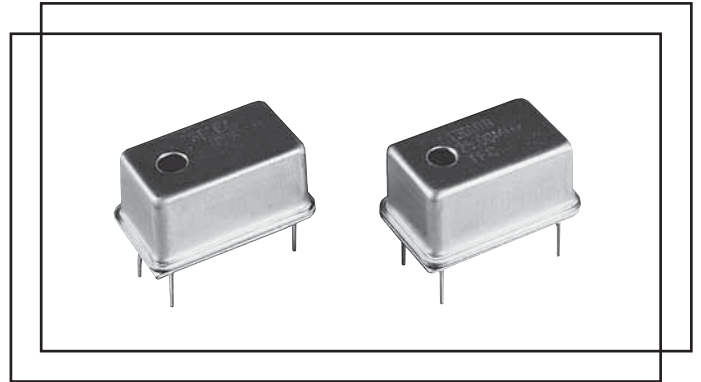


Type T301 precision clock oscillator (4.0 ~ 30)MHz

- # ± 5 ppm accuracy
- # custom frequencies
- # very low ageing



Electrical specification

Case style	4 pin(14 pin DIL layout): (20.5 x 12.90)mm, height 8.0mm
Frequency range	(4.0 ~ 30)MHz
Stability *	$\pm(5 \sim 25)$ ppm, temperature range dependent
Ageing	± 1 ppm max. per year
Trim	internal trim ± 5 ppm min.
Supply voltage V_{CC}	+5.0Vd.c.
Supply current max.	10mA
Rise and fall time max. **	5ns typical
Operating temperature	(0 +50) $^{\circ}$ C ~ (-40 +85) $^{\circ}$ C
Storage temperature	(-55 +125) $^{\circ}$ C
Output	2 TTL loads, H-CMOS 15pF
Symmetry	(45 ~ 55)%, (40 ~ 60)%
Ageing	± 1 ppm first year max.

* inclusive of calibration tolerance at +25 $^{\circ}$ C, temperature tolerance, supply voltage variation, load variation, first year ageing, shock and vibration.

** measured, with an output load of 15pF, between (10 ~ 90)% V_{CC}

Ordering information

TFC PART NUMBER T301 B A 8.192M

'T301' type number

'B' accuracy code

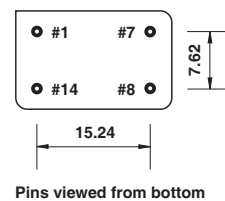
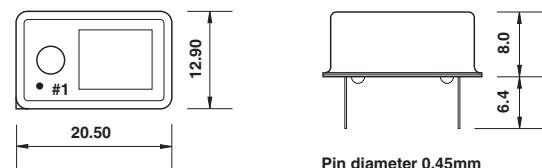
'A' temperature code

'8.192M' frequency(MHz)

Specification codes

accuracy code	A	B	C	D
(ppm):	± 5	± 10	± 25	± 50
temp.code	A	B	C	D
($^{\circ}$ C):	(0 +50)	(-10 +60)	(-20 +70)	(-40 +85)

Dimensions(mm)



Pin diameter 0.45mm

Pin connections

- # 1 N/C
- # 7 Ground and case
- # 8 Output
- # 14 +5Vd.c.

Pins viewed from bottom