

PC programmable trim, ±0.02ppm stability, excellent phase noise, low ageing, fast warm up.

A miniature high quality smd OCXO combining minimum volume with exceptional performance from a precision SC cut resonator.

Manufactured to standard and custom frequencies 10MHz to 120MHz.



ndard options:			
frequency range:	(10 ~ 120)MHz		
accuracy codes:	(A)		(B)
temperature tolerance	±0.02ppm		±0.05ppm
temperature range	(-20 +60)°C		(-40 +70)°C
output codes:		(L)	
output	CMOS 15pF, 45% ~ 55%		
	<2ns max. rise and fall		
supply voltage codes:	(V1)	(V2)	(V3) _
supply voltage	+3.3Vd.c.	+5.0Vd.c.	+12.0Vd.c.
ric specification:			
stability:			
against supply voltage change	± 0.002 ppm max. for V_{cc} $\pm 5\%$		
against load change	±0.002ppm max. for load ±10%		
ageing short term	±0.0002ppm max. per day		
	after 30 days continuous operation		
ageing long term	±0.05ppm max. first year		
	after 30 days continuous operation		
I2C programmable trim	±1ppm typical		
power supplies:			
supply voltage V_{cc}	+3.3Vd.c.	+5.0Vd.c.	+12.0Vd.c.
start up current at min. temp. range	<i>850mA</i>	550mA max.	270mA
quiescent current at max. temp. range	<i>350mA</i>	220mA max.	110mA
warm up time	2 minutes max. to within 0.1ppm of nominal		
insulation resistance	500 Meg Ω min., 100 Vd.c.		
ohase noise:			
single sideband, 1Hz bandwidth	-110dBc/Hz, f _o +10Hz		
	-145dBc/Hz, f +100Hz		

(-20 +60)°C

(-40 +125)°C

-160dBc/Hz, f₂+1kHz

(-40 +70)°C

(-40 +125)°C

ISO9001: 2008 A1511CAN

temperature: operating range

storage range



Environmental conditions:

mechanical shock: MIL standard 202F, method 213, condition J MIL standard 202F, method 107, condition A thermal shock: vibration: MIL standard 202F, method 204, condition B

5 seconds max. at +230°C, 3 seconds max. at +350°C solderability:

Marking: part number and frequency on high temperature

metalised polyester label

standard specification: OS365-9-smd A L V1 - 10.00M

OS365-9-smd = series generic code

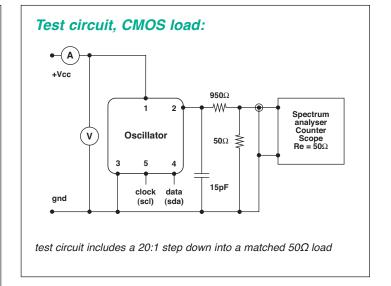
> temp. tol. and temp. range code: $A = \pm 0.02ppm(-20 +60)$ °C L

output code: L = CMOS output, 15pF, 45% ~ 55%

V1 supply voltage code: V1 = +3.3Vd.c. supply 10.00M output frequency: 10.00M = 10.000MHz

Custom specification: part number issued with custom specification and drawing

Dimensions(mm): **#**1 14.60 MARKING 9.0 25.0 25.0 23.40 #3 8.0 #2 2.50 pads viewed from bottom pad size (1.5 x 1.5)mm suggested land pattern



Pin connections:

1 $+V_{cc}$

output #2

#3 ground/case

4 data(sda)

#5 clock(scl)