

## SURFACE MOUNT PRECISION OSCILLATOR DFN S8-MLECP (3.3 V)

**CRYSTAL PACKED INTO ITS OWN HOLDER**

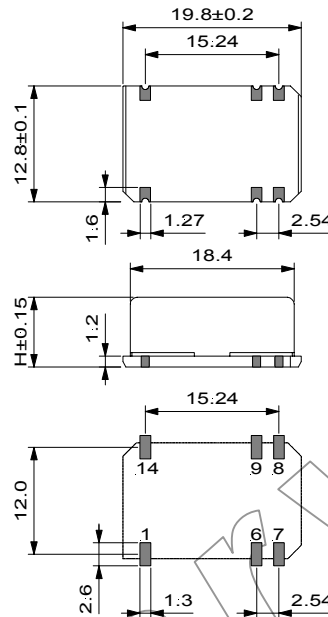
**3.3 V SUPPLY VOLTAGE**

**VERY LOW JITTER**

Function	DFN S8
N/C	1
N/C	6
GND	7
Output 1	8
Output 2	9
Vcc	14

PC board footprint

H=7.80 mm



TYPE	DFN S8-MLECP
Frequency Range	622.08 to 800 MHz
Standard Frequencies	622.08, 644.53125 & 666.5124 MHz

ELECTRICAL SPECIFICATIONS	
supply voltage	3.3 V ± 5 %
supply current (no load)	≤ 60 mA
output load	LVPECL 100 K ( 50 Ω to 1.3 V )
duty cycle @ 50% level	45/55...55/45 %
rise/fall times ( 20 to 80% )	≤ 0.5 ns
high/low levels	≥ 2.22 V / ≤ 1.7 V
jitter RMS ( 12 kHz to 5 MHz )	≤ 0.5 ps
jitter RMS ( 50 kHz to 80 MHz )	≤ 3.0 ps
complementary output on pin 9	180° phase shifted
start up	≤ 10 ms @ 3.15 V

FREQUENCY STABILITY		stability [ ppm ] and temperature code							
types	temperature range	stability	code	stability	code	stability	code	stability	code
all types	0 to 70°C	± 20	XB20	± 25	XB25	± 50	XB50	± 100	XB100
	-40 to 85°C	± 25	XE25	± 50	XE50	± 75	XE75	± 100	XE100
Remark	includes calibration at 25°C, temperature, ageing, Vcc and load changes 1 <sup>st</sup> year								

ORDERING CODE	type + option code + frequency + stability / temperature code
Example	DFN S8-MLECP 622.08 MHz XB20

REMARK	Please consult factory for -40 to +85°C versions Preliminary data sheet subject to change without notice