

OCXO - 25.4 X 22.0 X 13.0mm SMD PACKAGE

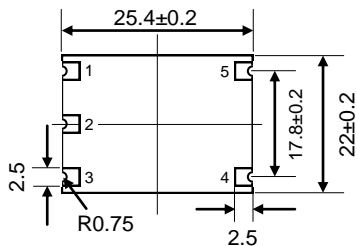
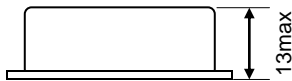
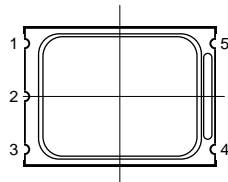
FEATURES:

- HIGH STABILITY AVAILABLE
- LOW PHASE NOISE/LONG TERM AGING
- SC CUT or AT CUT BASED ON APPLICATION



MODEL		OX - S
FREQUENCY RANGE		1 MHz to 160 MHz
FREQUENCY ACCURACY		± 0.2 ppm max.
FREQUENCY STABILITY vs. TEMPERATURE		See Part Numbering Guide
AGING	AT Cut	± 0.002 ppm/day, first year ± 0.3 ppm, 10 years ± 2 ppm max.
	SC Cut	± 0.001 ppm/day, first year ± 0.1 ppm, 10 years ± 0.5 ppm max.
SHORT TERM STABILITY		1 x 10 ⁻¹⁰ / ms
OUTPUT TYPE AND LOAD CHARACTERISTICS		CMOS (15pF), Clipped sine wave (10KΩ/10pF), or Sinewave (50Ω)
SUPPLY VOLTAGE		+3.3 V _{DC} , +5.0 V _{DC} , or +12.0 V _{DC} (See Part Numbering Guide)
FREQUENCY STABILITY vs. LOAD CHANGE ± 10%		± 0.02 ppm max.
FREQUENCY STABILITY vs. VOLTAGE ± 5%		± 0.02 ppm max.
SUPPLY CURRENT CONSUMPTION		3.0W(max.) during warm-up; 1.0W(max.) when static
WARM-UP TIME	AT Cut	± 0.2 ppm, < 3 min.
	SC Cut	± 0.03 ppm, < 3 min.
ADJUSTABLE FREQUENCY RANGE	AT Cut	± 5.0 ppm min.
	SC Cut	± 1.0 ppm min.
CONTROL VOLTAGE RANGE		0 ~ 5 V, N/C option available
SLOPE		Positive
LINEARITY		± 10 %
PHASE NOISE (5V)		1Hz, -95dBc/Hz typical
		10Hz, -125dBc/Hz typical
		100Hz, -135dBc/Hz typical
		1KHz, -152dBc/Hz typical
		10KHz, -157dBc/Hz typical
STORAGE TEMPERATURE RANGE		-55 °C ~ +125 °C

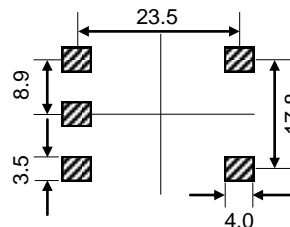
PACKAGE DIMENSIONS



Unit : mm

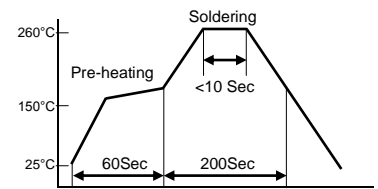
Pin Configuration	
1	V _C
2	Ref. V
3	V _{DC}
4	RF Output
5	GND

SOLDER PATTERN



Unit :mm

REFLOW PROFILE



Note: Consult factory for details

PART NUMBERING GUIDE

OXS - **5** - **E5** - **J** - **R** - **10.000M**

Voltage
3: +3.3 VDC
5: +5.0 VDC
12: +12.0 VDC

Stability
F3: ±0.001ppm*
F5: ±0.005ppm*
E1: ± 0.01ppm
E5: ± 0.05ppm
01: ± 0.1ppm
03: ± 0.3ppm
05: ± 0.5ppm
 Other options available

*Not available in all temperature ranges

Frequency
 Frequency in MHz

Output
Q: Sine Wave
P: Clipped Sine Wave
R: CMOS

Operating Temperature
H: 0°C to 50°C
I: -10°C to 60°C
J: -10°C to 70°C
K: -20°C to 70°C
L: -30°C to 70°C
M: -40°C to 85°C
 Other options available