

# 1532C6

# OSCILLATOR UNIT WITH HCSL OUTPUT IN SMD 3.2x2.5MM CERAMIC SEAM SEAL PACKAGE.

## PRODUCT FEATURES

- Small dimensions 3.2x2.5x1.3 with 6 solder pads.
- Highly reliable seam sealed ceramic package.
- Wide frequency range.
- Low jitter and phase noise.
- ROHS compliant, LEAD-FREE and HALOGEN-FREE.

## **APPLICATIONS**

- High speed communication
- Telecom equipment
- Handheld equipment

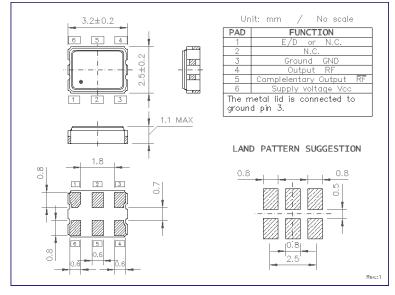
PRODUCT PHOTO (NOT IN SCALE)

# PRODUCT SPECIFICATIONS

PARAMETER	1532C6	CONDITIONS / REMARKS
Nominal frequency range	10 ~ 220MHz	Fund., Overtone or PLL
Supply voltage	2.5V <sub>DC</sub> / 3.3V <sub>DC</sub>	Other option possible
Supply current	40mA	Maximum, Fund mode lower Icc
Frequency stability	±25ppm / ±50ppm / ±100ppm	See note below.
Operating temperature range	-10 to +70°C or -40 to 85°C	Other options available.
Output waveform and load	HCSL / 50Ω	RL to Ground on each output
Output voltage level HIGH	0.74V	Typical
Output voltage level LOW	0v	Typical
Rise and Fall times	0.5ns	@ 20~80~20%V <sub>cc</sub>
Symmetry (duty cycle)	45~55%	@ outputs cross point
Phase Jitter RMS	<1ps	Integrated 12kHz≤F <sub>j</sub> ≤20MHz

Note: Stability includes frequency deviations at  $+25^{\circ}$ C, over temperature range, due to supply voltage changes, output load changes, shock and vibration.

# PACKAGE OUTLINE / DIMENSIONS



# PACKAGING INFORMATION

- Tape & Reel compliant to EIA-481.
- Embossed carrier width 8mm.
- Component pitch in carrier 4mm.
- Reel diameter 180mm.
- QTY per reel: 3,000pcs

# RECOMMENDED REFLOW PROFILE

