

OSCILLATOR UNIT WITH LVPECL OUTPUT IN SMD 2.5x2.0mm CERAMIC SEAM SEAL PACKAGE.
PRODUCT FEATURES

- Small dimensions 2.5x2.0x1.1 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

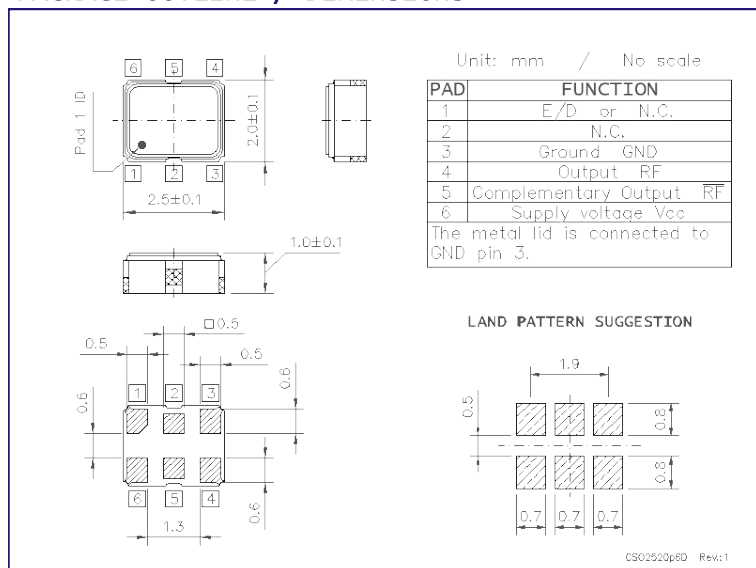
- High speed communication
- Handheld equipment
- Telecom equipment

PRODUCT PHOTO (NOT IN SCALE)

PRODUCT SPECIFICATIONS

PARAMETER	1522P	CONDITIONS / REMARKS
Nominal frequency range	13.5 ~ 220MHz	Fund., Overtone or PLL
Supply voltage	2.5V _{DC} / 3.3V _{DC}	Other option possible
Supply current	50mA	Maximum, Fund mode lower I _{CC}
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	LVPECL / 50Ω	Into V _{CC} -2
Output voltage level HIGH	V _{CC} -1.025V / V _{CC} -0.880V	Minimum / Maximum
Output voltage level LOW	V _{CC} -1.810V / V _{CC} -1.620V	Minimum / Maximum
Rise and Fall times	1.5ns	@ 20~80~20%V _{CC}
Symmetry (duty cycle)	45~55%	@ outputs cross point
Phase Jitter RMS	<0.5ps	Integrated 12kHz≤F _J ≤20MHz

Note: Stability includes frequency deviations at +25°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
