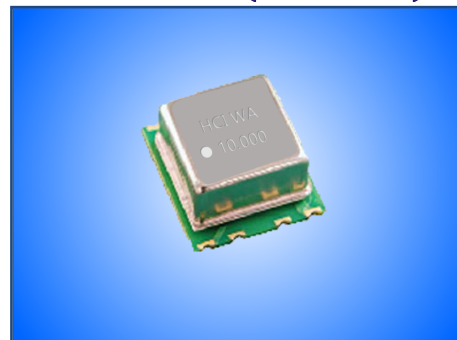


OVEN CONTROLLED CRYSTAL OSCILLATOR UNIT IN SMD 25x22MM METAL CAN PACKAGE.
PRODUCT FEATURES

- High accuracy OCXO 25x22 with 7 pads.
- Various frequency stabilities being available.
- Excellent low aging and short term stability.
- Output signal with very low phase noise.
- Optional control voltage and reference voltage.

APPLICATIONS

- Base station
- Telecom equipment
- Satellite equipment
- Test equipment

PRODUCT PHOTO (NOT IN SCALE)

PRODUCT SPECIFICATIONS

PARAMETER	5725H7 / 5725S7 / 5725T7	CONDITIONS / REMARKS
Nominal frequency range	10 ~ 100MHz	See Note
Supply voltage	3.3V _{DC} / 5.0V _{DC} / 12.0V _{DC}	–
Power consumption (warm up)	<3.0W	May vary depending on supply voltage used.
(steady state)	<1.5W	
Operating temperature range	-20 to +70°C or -40 to 85°C	Other options available.
Output waveform HCMOS	V _{OH} ≥90%V _{CC} / V _{OL} ≤10%V _{CC}	
Output waveform SINEWAVE	≥5dBm / ≤10dBm	
Output waveform TTL	V _{OH} ≥2.4V / V _{OL} ≤0.4V	

Note: Typical frequencies 10MHz, 15.36MHz, 16.384MHz, 19.44MHz, 20MHz, 25MHz, 26MHz, 38.88MHz, 50MHz, 100MHz.

FREQUENCY SPECIFICATIONS (dependent on crystal type)

PARAMETER	for SC-cut crystal	for AT-cut crystal
Frequency tolerance (@+25°C)	±100ppb ~ ±500ppb	±200ppb ~ ±500ppb
Frequency stability (Note 1)	±1ppb / ±5ppb / ±10ppb	±30ppb / ±50ppb / ±100ppb
Short term stability	±0.005ppb/s	±0.1ppb/s
Stability versus voltage	±0.5ppb	±5ppb
Aging rate DAILY	±0.3ppb / ±0.5ppb / ±1.0ppb	±3ppb / ±5ppb / ±10ppb
ANNUALLY	±30ppb / ±50ppb / ±100ppb	±300ppb / ±500ppb / ±1ppm
Frequency adjustment (Note 2)	0.5 ~ 1.0ppm	5 ~ 10ppm
Phase noise @10Hz	-92dBc/Hz	
Example for sinewave @100Hz	-127dBc/Hz	
Output 100MHz unit @1kHz	-152dBc/Hz	
@10kHz	-165dBc/Hz	
@100kHz	-168dBc/Hz	

Note 1: Frequency stability is the frequency deviation over operating temperature range.

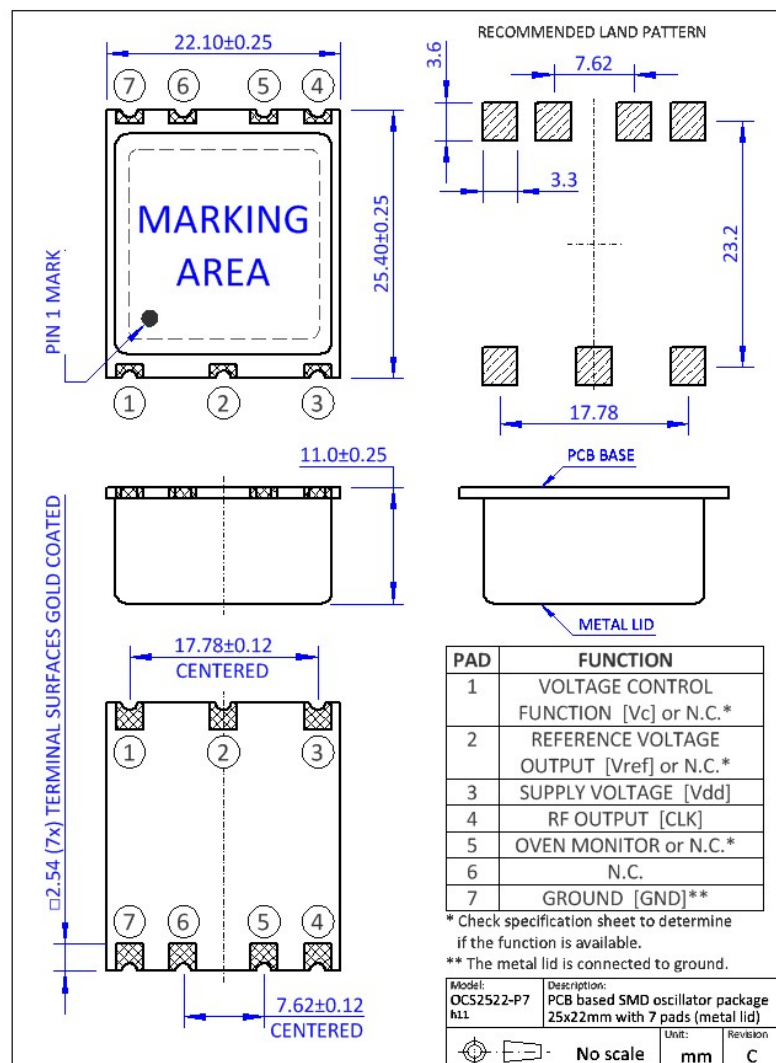
Note 2: Frequency adjustment applies for the option with control voltage function, refer to page 2.

OVEN CONTROLLED CRYSTAL OSCILLATOR UNIT IN SMD 25x22mm METAL CAN PACKAGE.
AVAILABLE OPTIONS

PARAMETER	for 3.3V		for 5.0V		for 12.0V
Control voltage range (Note 1)	0~2.8V _{DC}	0~3.3V _{DC}	0~4.0V _{DC}	0~5.0V _{DC}	0~5.0V _{DC}
Frequency stability (Note 1)	1.4V _{DC}	1.65V _{DC}	2.0V _{DC}	2.5V _{DC}	2.5V _{DC}
Reference voltage (Note 2)	2.8V _{DC}	N/A	4.0V _{DC}	N/A	5.0V _{DC}

Note 1: Applies for option with a Control Voltage Input.

Note 2: Applies for option with a Reference Voltage output.

PACKAGE OUTLINE / DIMENSIONS

PACKAGING INFORMATION

- Packaging in antistatic foam tray.
- QTY per tray: 20pcs

ENVIRONMENTAL COMPLIANCE INFORMATION

- Product is RoHS and RoHS 2 compliant.
- Product is built using a LEAD-FREE solder alloy, if required a high melting point solder alloy can be used as well.