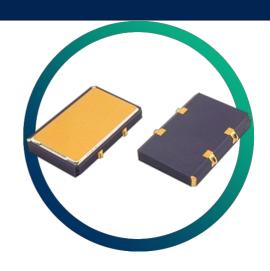
## **MCSOHW**

# High Frequency 2.5V CMOS Oscillator with -55+125°C

### **Temperature Range**

- Military temperature range -55+125°C option
- Excellent shock & vibration resistance
- Enable / disable tristate option (>500kHz)
- Wide frequency range available
- J-lead termination option

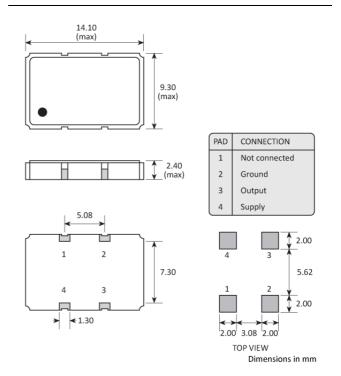


CONFIGURABLE OPTIONS	
Parameter	Option Code
Frequency	
Frequency stability	
Any	
±100ppm	
±50ppm	Т
Operating temperature range	
Any	
0 to +70 °C	А
-40 to +85°C	В
-55 to +125°C	С
Enable / disable function	
Any	
None (pad 1 NC)	
Tristate (control via pad 1)	E
Terminations	
Any	
Gold flashed pads	
Ag/Cu/Sn plated J-leads	J

#### **SPECIFICATIONS**

Dimensions 14.1 x 9.3 x 2.4mm  Supply voltage (V <sub>DD</sub> ) +2.5V (±5%)  Storage temperature range -65 to +125 °C  Supply current 25mA max  Driving ability CMOS  Load 3pF min, 47pF max
Storage temperature range -65 to +125°C Supply current 25mA max Driving ability CMOS
Supply current 25mA max Driving ability CMOS
Driving ability CMOS
Load 3pF min, 47pF max
i i i i i i i i i i i i i i i i i i i
Logic levels '0' level = +0.4V max
'1' level = $V_{DD}$ -0.5V min
Start up time 1ms typ, 5ms max
Waveform symmetry 40:60 max @ 50%V <sub>DD</sub>
Rise / fall time 3ns max
Shock resistance 5,000g, 0.3ms ½-sine
Vibration resistance 20g rms 10.0 ~ 2,000Hz
Soldering condition 260°C, 10 sec max

#### **PACKAGE DRAWING**



#### **ORDERING INFORMATION**

To request a quotation for the MCSOHW please use the configurable options form to choose the options you require and then submit your configured product to our team. Our expert advisers are always happy to help with your requirements and can be contacted on +44 1460 256 100 or at sales@golledge.com.

Following product selection you will be issued with a seven character Golledge part number. Your Golledge part number is the internationally accepted Golledge manufacturing part number (MPN) that should be used for all project documentation, including bills of materials (BoMs) and purchase orders.

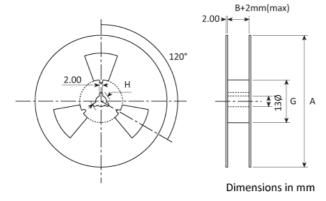
If you have any queries regarding any of our documentation our dedicated sales team will be happy to help.

#### **ENABLE / DISABLE FUNCTION**

Input (pad 1)	Output (pad 3)
Open	Enabled
'1' level	Enabled
'0' level	High Impedance

#### **TAPE & REEL SPECIFICATION**

## 4.00± 0.10 1.50Ø ±0.10 C D E



A:330 B:24 C:14.8 D:9.6 E:12 F:3.5 G:102 H:21

#### **HANDLING & STORAGE**



Human Body Model (HBM) 1A (250V to <500V)



Moisture Sensitivity Level (MSL): 1 (or not applicable)

#### CONSTRUCTION

Ceramic base with Kovar lid

#### **COMPLIANCE**



Lead-free (< 0.1% by weight)



RoHS compliant with no exemptions. <u>See our</u>

declaration



REACH compliant. See our statement



Free of conflict minerals. See our declaration



Free of Halogens. See our declaration



Free of Ozone-depleting substances. <u>See our</u>

declaration