

OCXOVT-S

5V OCXO Sine Output Cospas-Sarsat

- Designed for Cospas-Sarsat applications
- High shock & vibration resistance
- Compact 14-pin DIL package (SMD optional)
- 5.0V supply voltage

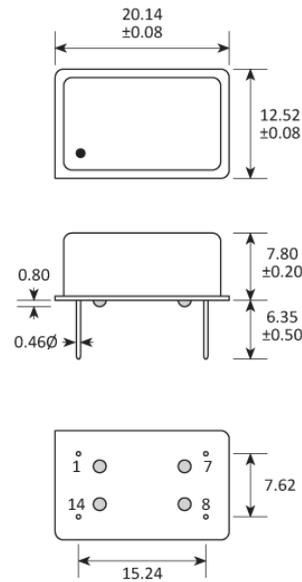


CONFIGURABLE OPTIONS

Parameter	Option Code
Frequency	
Package	
Through hole 14 pin DIL	
SMD option D1	D1
SMD option D2	D2

SPECIFICATIONS

Frequency range	10.0kHz ~ 54.0MHz
Dimensions	20.1 x 12.5 x 8.0mm
Frequency calibration	1.0ppm max, pin 1 to GND
Frequency vs temperature	3x10 ⁻⁹ , 50s after 15min and ramp of +5°C / hr
Frequency stability	±4.5ppm max in 10 years ±0.1ppm max vs V _{DD} ±10ppb max vs load ±10%
Short term stability	5x10 ⁻¹⁰ , t 0.1 to 30s 5x10 ⁻¹¹ typ at 1s
Storage temperature range	-55 to +125°C
Output waveform	Sinewave, 1V peak to peak
Load	5pF min, 15pF max
Start up time	5ms max
Supply voltage (V _{DD})	+5.0V (±0.2V)
Input current	350mA max for up to 10s @ -40°C during start up 40mA max @ +25°C 70mA max @ -20°C
Warm up time (secs)	60s to within ±0.1ppm @ 25°C
Phase noise (typ @ 10MHz)	-100dBc/Hz @ 10Hz -130dBc/Hz @ 100Hz -140dBc/Hz @ 1kHz -145dBc/Hz @ 10kHz
Shock & vibration	500g, 4.0ms ½-sine 6 directions 100g, 23.0ms ½-sine 6 directions 10.0 ~ 2,000Hz, 20g
Thermal shocks	25 cycles, -55 ~ +85°C
Life test	1000 hours
Warm storage ageing	1000 hours
Soldering conditions	+235°C, 10secs max +260°C, 5 secs max

PACKAGE DRAWING


PIN	CONNECTION
1	Ground
7	Ground
8	Output
14	Supply

Dimensions in mm

ORDERING INFORMATION

To request a quotation for the OCXOVT-S 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.

APPLICATIONS

This OCXOVT-S oven controlled oscillator is suitable for a wide range of applications including:

Digital switching
Telecom transmission
SONET / SDH / DWDM / FDM/36 / WIMAX
Airborne equipment
Battery operated systems
Instrumentation
Radio transceivers

TECHNICAL RESOURCES

[DIL-14 OCXO SMD options.pdf](#)

HANDLING & STORAGE



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



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

CONSTRUCTION

Resistance weld

COMPLIANCE



RoHS compliant with no exemptions. [See our declaration](#)



REACH compliant. [See our statement](#)



Free of conflict minerals. [See our declaration](#)



Free of Halogens. [See our declaration](#)



Free of Ozone-depleting substances. [See our declaration](#)