HCD300

5V Low Profile OCXO with Sine

Output

- Temperature stability down to 50ppb
- Single 5V oven & oscillator supply
- Low profile compact package
- Standard European IEC CO-08 pin-out
- Custom options available

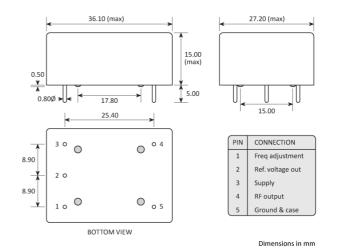


CONFIGURABLE OPTIONS	
Parameter	Option Code
Frequency	
Ageing per day (at despatch)	
Any	
< ±1x10 ⁻⁸	А
< ±5x10 ⁻⁹	В
Temperature stability	
Any	
< ±1x10 ⁻⁷	M
< ±5x10 ⁻⁸	N
Operating temperature range	
Any	
0 to +50°C	А
-20 to +60°C	D
-20 to +70 °C	F
Supply voltage (V _{DD})	
+5.0V (±0.25V)	L

SPECIFICATIONS

Frequency range	5.0 ~ 20.0MHz
Dimensions	36.1 x 27.2 x 15.0mm
Frequency stability	±5x10 ⁻⁷ per year max
	±5x10 ⁻⁸ per 5% change in V _{DD}
Storage	-40 to +90°C
temperature range	
Output waveform	Sine wave, 1.5V p-p ±0.5V into 50Ω
Frequency	$\pm 5 \times 10^{-6}$ typ (10MHz), +0.5 to +4.0V
adjustment	(sufficient for 10 years ageing min)
	Stabilised +4.0V supply provided
Power	4.5W max at switch on
consumption	< 1.0W typ when stabilised at 25°C
Warm up	±5x10 ⁻⁸ after 10mins at +25°C
Phase noise (@	< -105dBc/Hz @ 10Hz
10.0MHz)	< -125dBc/Hz @ 100Hz
	< -145dBc/Hz @ 1kHz
	< -150dBc/Hz @ 10kHz
	< -150dBc/Hz @ 50kHz
Shock (IEC 68-2-27	50g for 11ms
Test Ea)	
Vibration (IEC 68-	10-55Hz, 1.5mm. 55-500Hz, 10g
2-06 Test Fc)	

PACKAGE DRAWING



ORDERING INFORMATION

To request a quotation for the HCD300 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.

HANDLING & STORAGE



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

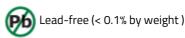


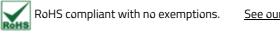
Moisture Sensitivity Level (MSL): 1 (or not applicable)

CONSTRUCTION

Solder sealed metal can

COMPLIANCE





declaration







