HCD361

12V Tight Stability OCXO with **HCMOS Output**

- Temperature stability down to 5ppb
- Single 12V supply (15V or 18V optional)
- Compact package
- Standard European IEC CO-08 pin-out
- Custom options available

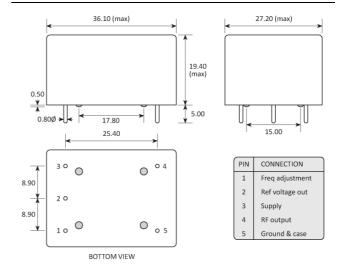


CONFIGURABLE OPTIONS	
Parameter	Option Code
Frequency	
Ageing per day (at despatch)	
Any	
< ±1x10 ⁻⁹	D
< ±5x10 ⁻¹⁰	E
< ±2x10 ⁻¹⁰	F
Temperature stability	
Any	
< ±2x10 ⁻⁸	Р
< ±1x10 ⁻⁸	R
< ±5x10 ⁻⁹	5
Operating temperature range	
Any	
0 to +50°C	А
-10 to +60°C	С
-20 to +70°C	F
Supply voltage (V _{DD})	
Any	
+12V (±0.5V)	N
+15V (±0.5V)	Р
+18V (±0.5V)	R

SPECIFICATIONS

Frequency range	5.0 ~ 20.0MHz
Dimensions	36.1 x 27.2 x 19.4mm
Frequency stability	< ±5x10 ⁻⁸ per year
	$< \pm 1 \times 10^{-9}$ per 10% change in V _{DD}
Short term stability	< ±1x10 ⁻¹¹ over 1 sec
Storage temperature	-40 to +90°C
range	
Output waveform	CMOS / TTL compatible
Frequency	$\pm 5 \times 10^{-7}$ (typ) over +0.5 to +7.0V
adjustment	(sufficient for 10 years ageing min)
	Stabilised +7.0V supply provided
Power consumption	5.0W max at switch on
	1.2W typ when stabilised at 25°C
Warm up	$< \pm 1 \text{x} 10^{-8}$ after 10mins at $+20$ °C
Phase noise (@	< -125 dBc/Hz @ 10Hz
10.0MHz)	< -135 dBc/Hz @ 100Hz
	< -150 dBc/Hz @ 1kHz
	< -155 dBc/Hz @ 10kHz
	< -155 dBc/Hz @ 50kHz
Harmonics	< -30dB wrt carrier
Shock (IEC 68-2-27	50g for 11ms
Test Ea)	
Vibration (IEC 68-2-	10-55Hz, 1.5mm. 55-500Hz, 10g
06 Test Fc)	

PACKAGE DRAWING



Dimensions in mm

ORDERING INFORMATION

To request a quotation for the HCD361 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)

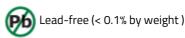


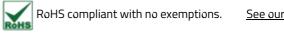
Moisture Sensitivity Level (MSL): 1 (or not applicable)

CONSTRUCTION

Solder sealed metal can

COMPLIANCE





declaration





