

HCD191

Low Frequency OCXO with CMOS

Output

- CMOS / TTL compatible output
- Low profile package
- Single supply version of HCD181
- 12V supply standard, 10 ~ 30V optional



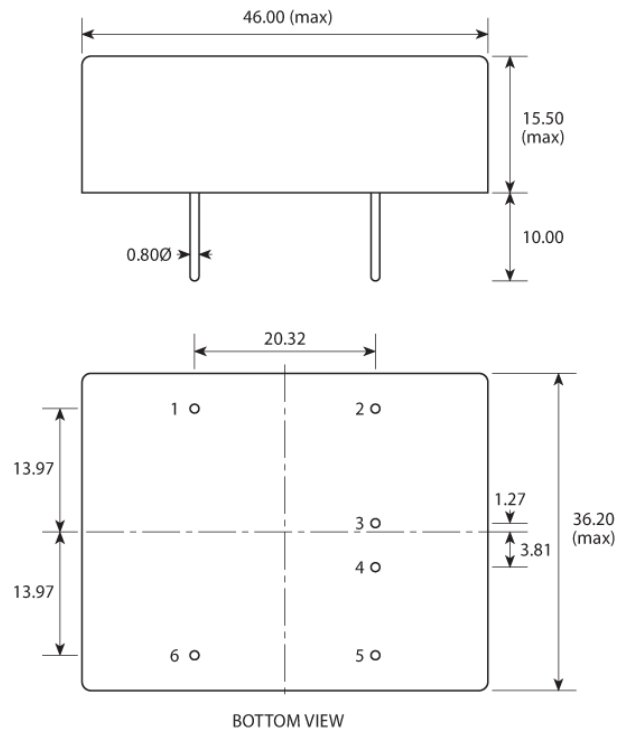
CONFIGURABLE OPTIONS

| Parameter | Option Code |
|------------------------------|-------------|
| Frequency | |
| Ageing per day (at despatch) | |
| Any | |
| $< \pm 1 \times 10^{-8}$ | A |
| $< \pm 5 \times 10^{-9}$ | B |
| Temperature stability | |
| Any | |
| $< \pm 1 \times 10^{-7}$ | M |
| $< \pm 5 \times 10^{-8}$ | N |
| Operating temperature range | |
| Any | |
| 0 to +50°C | A |
| -20 to +60°C | D |
| -20 to +70°C | F |
| Supply voltage (V_{DD}) | |
| +12.0V (± 0.5 V) | N |
| Other options from 10~30V | |

SPECIFICATIONS

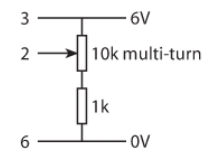
| | |
|---------------------------------|---|
| Frequency range | 30.0kHz ~ 5.0MHz 5.0 ~ 16.0MHz |
| Dimensions | 46.0 x 36.2 x 15.5mm |
| Frequency stability | $\pm 5 \times 10^{-7}$ / year max $\pm 1 \times 10^{-7}$ per 5% change in V_{DD} |
| Storage temperature range | -40 to +90°C |
| Output waveform | CMOS / TTL compatible |
| Frequency adjustment | $\pm 2 \times 10^{-5}$ typ, +0.5 to +6.0V (sufficient for 10 years ageing min) Stabilised +6.0V supply provided |
| Power consumption | 4.5W max at switch on 1.0W typ when stabilised at 25°C |
| Warm up | $\pm 5 \times 10^{-8}$ after 10mins at +25°C |
| Phase noise (@ 10.0MHz) | < -110dBc/Hz @ 10Hz < -130dBc/Hz @ 100Hz < -145dBc/Hz @ 1kHz < -150dBc/Hz @ 10kHz |
| Shock (IEC 68-2-27 Test Ea) | 50g for 11ms |
| Vibration (IEC 68-2-06 Test Fc) | 10-55Hz, 1.5mm. 55-500Hz, 10g |

PACKAGE DRAWING



| PIN | CONNECTION |
|-----|-----------------|
| 1 | Case |
| 2 | Freq Adjustment |
| 3 | +6V output |
| 4 | RF output |
| 5 | Supply |
| 6 | Ground |

VOLTAGE CONTROL



Dimensions in mm

ORDERING INFORMATION

To request a quotation for the HCD191 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.

CONSTRUCTION

Solder sealed metal can

HANDLING & STORAGE



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



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

COMPLIANCE



Lead-free (< 0.1% by weight)



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](#)