

HTFH

5V CMOS TCXO Stratum 3

- 5V Stratum 3 compliant TCXO
- HCMOS output
- Enable / disable tristate function
- Suitable as SONET/SDH timing source
- Excellent frequency stability



CONFIGURABLE OPTIONS

Parameter	Option Code
Frequency	
Temperature range	
Any	
0 to +70°C	5
-40 to +85°C	6
Temperature stability	
Any	
±0.5ppm max	E
±1.0ppm max	F

SPECIFICATIONS

Frequency range	6.40 ~ 56.0MHz
Dimensions	20.8 x 13.1 x 8.4mm
Calibration tolerance	±1.0ppm max
Frequency stability (inclusive of calibration tolerance, temperature, voltage, load, 20years ageing, shock & vibration)	±4.6ppm max
Storage temperature range	-55 to +125 °C
Supply voltage (V _{DD})	+5.0V (±5%)
Supply current (6.4~52.0MHz)	10mA max
Driving ability	15pF CMOS
Logic levels	'0' level = 10%V _{DD} max '1' level = 90%V _{DD} min
Output current	'0' level = 4.0mA '1' level = -4.0mA
Waveform symmetry	45:55 max at 50%V _{DD}
Rise / fall time	8ns max
Enable / disable function (V _{IH} =70%V _{DD} min, V _{IL} =30%V _{DD} max)	Tristate (control via pin 1)
Phase noise	-50dBc/Hz typ @ 1Hz -80dBc/Hz typ @ 10Hz -110dBc/Hz typ @ 100Hz -135dBc/Hz typ @ 1kHz -150dBc/Hz typ @ 10kHz -150dBc/Hz typ @ 100kHz
Period jitter RMS	3ps max
Phase jitter RMS	1.0ps max, 12kHz~f _o /2 3.0ps max, 10Hz~f _o /2
TDEV	1.0ns max over 1 sec 2.0ns max over 4 sec

ENABLE / DISABLE FUNCTION

Input (pin 1)	Output (pin 8)
Open	Enabled
'1' level	Enabled
'0' level	High Impedance

ORDERING INFORMATION

To request a quotation for the HTFH 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

CONSTRUCTION

Resistance weld

MATERIAL COMPOSITION



Lead-free (< 0.1% by weight)



Product is RoHS 2 compliant

OTHER INFORMATION

About Golledge

We are the UK's leading supplier of frequency control products and are proud to serve the global electronics industry. Our philosophy is a focus firmly on your requirements by striving to meet and exceed your needs. We do this by ensuring the utmost quality and consistency in our products and services. If you have any queries about the Golledge service or any of our products please get in touch, we'd love to hear from you.

Come and visit

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Our customer feedback is testament to our quality; "Never had such good service as this from anyone in 35 years of being in the industry, this is impressive and has really helped us out of a corner to keep the design flowing" Andy (Senior Design Engineer), "As always your support is state of the art" Nicoleta (Material Management), "Legendary work - as usual it has to be said" John (Operations).
To take advantage of our highly praised service get in touch with us today.