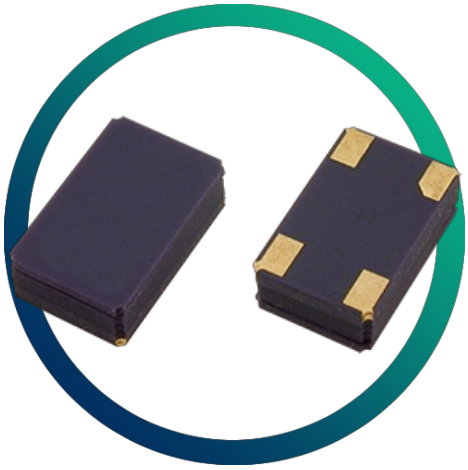
VCXO2HV



- Military temperature range -55+125°C
- Low noise - fundamental crystal
- High shock & vibration resistance
- Optional tinned pads (Ag/Cu/Zn)

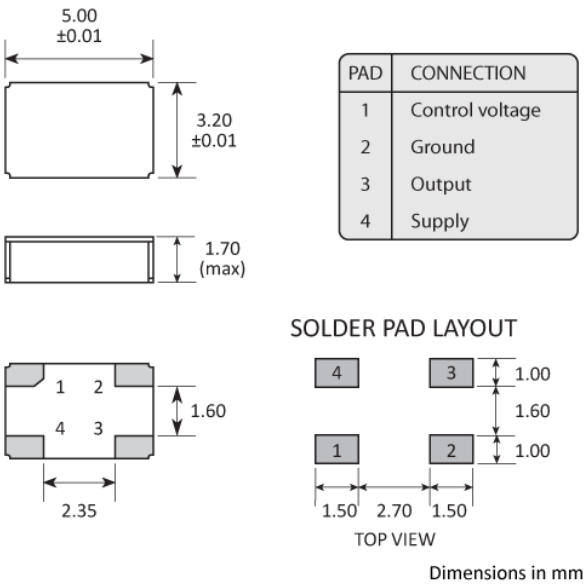
CONFIGURABLE OPTIONS

Parameter	Option Code
Frequency	
Absolute pulling range (max) * see note below	
Any	
±130ppm over -40 to +85°C	B
±110ppm over -55 to +125°C	C
Terminations	
Gold plated pads	
Tinned Ag/Cu/Zn	T

SPECIFICATIONS

Frequency range	40.0 ~ 130MHz
Dimensions	5.0 x 3.2 x 1.7mm
Supply voltage (V_{DD})	+3.3V (±5%)
Voltage control (V_{CTL})	+1.65V ±1.65V Positive slope, 10% linearity
Storage temperature range	-65 to +125°C
Supply current (no load)	10mA max @ 40.0MHz 20mA max ≤100.0MHz 25mA max @ 130.0MHz
Driving ability	CMOS
Load	3pF min, 27pF max
Logic levels	'0' level = +0.4V max '1' level = V_{DD}-0.5V min
Start up time	5ms max
Waveform symmetry	40:60 max @ 50%V_{DD}
Rise / fall times	2ns max (@15pF)
Shock resistance	5,000g, 0.3ms ½-sine
Vibration resistance	20g rms 10.0 ~ 2,000Hz
Soldering condition	260°C, 10 sec max

PACKAGE DRAWING



ORDERING INFORMATION

To request a quotation for the VCXO2HV 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

Ceramic base and lid

COMPLIANCE

Lead-free (< 0.1% by weight)

RoHS compliant with no exemptions.