

GVXO-C58J

2.5V VCXO with LVCMOS output and wide pulling range

- Frequencies up to 250MHz
- Ultra low noise
- Wide pulling range
- LVCMOS output
- Enable / disable tristate function



CONFIGURABLE OPTIONS

Parameter	Option Code
Frequency	
Frequency pullability	
±150ppm min	
Frequency stability	
* see note below	
Any	
±50ppm max	B
±25ppm max	C
±20ppm max	D
Operating temperature range	
Any	
-20 to +70°C	
-40 to +85°C	I

* Frequency stability is inclusive of calibration @25°C, operating temperature range, supply voltage change, load change and first year ageing.

SPECIFICATIONS

Frequency range	15.0 ~ 250MHz
Dimensions	5.0 x 3.2 x 1.6mm
Voltage control (V_{CTL})	+1.25V $\pm$ 1.0V, 10% linearity
Storage temperature range	-40 to +85 °C
Supply voltage (V_{DD})	+2.5V ($\pm$ 10%)
Supply current	80mA max
Output	CMOS
Waveform symmetry	45:55 max @ 50% V_{p-p}
Rise / fall time	1.2ns max (20% ~ 80% V_{p-p})
Phase jitter	300fs max (12kHz ~ 20MHz)
Enable / disable function	Tristate (control via pad 2)

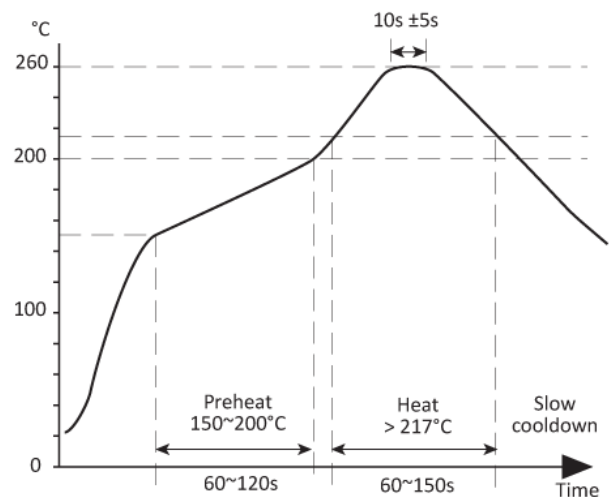
ENABLE / DISABLE FUNCTION

Input (pad 2)	Output (pad 4)
Open	Enabled
'1' level	Enabled
'0' level	High Impedance

ORDERING INFORMATION

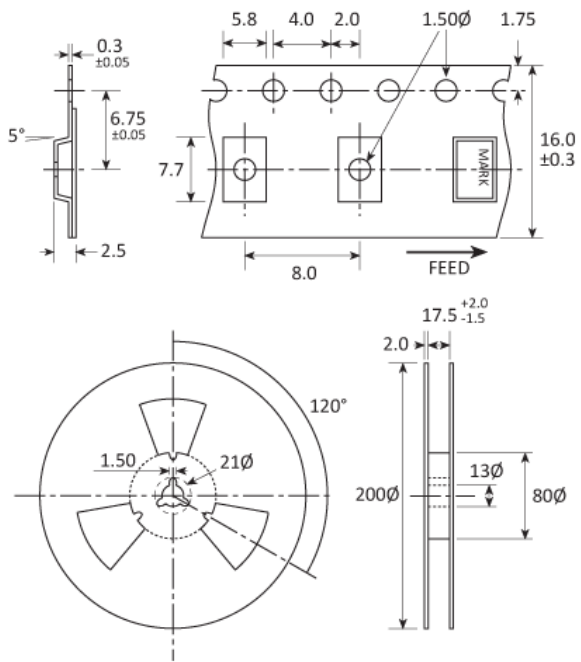
To request a quotation for the GVXO-C58J please use the configurable options form to choose the options you require and then submit your configured product to our team. Our expert advisers are always happy to help with your requirements and can be contacted on +44 1460 256 100 or at sales@golledge.com.

SOLDERING PROFILE



Lead free solderability limits: 260°C $\pm$ 5°C x 10s $\pm$ 5s x 2.

TAPE & REEL SPECIFICATION



Dimensions in mm

CONSTRUCTION

Ceramic body with gold-plated pads, Metal lid, seam sealed