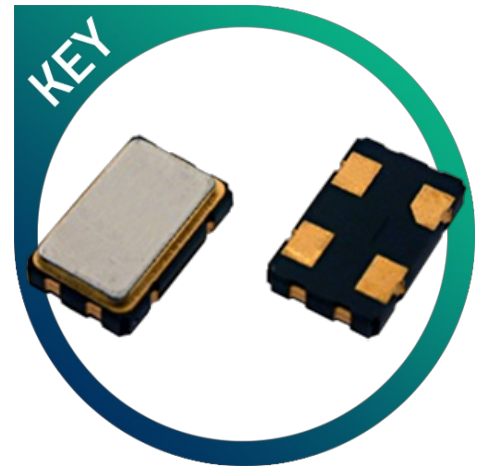


GVXO-523

3.3V SM VCXO - 4 pad

- Fundamental crystal up to 61.40MHz
- Choice of pullability and stability
- Miniature SM package
- Choice of pullability & stability
- Test KF added 30 Oct 0954



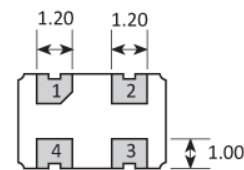
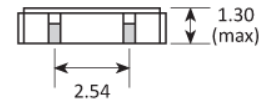
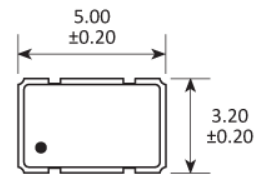
CONFIGURABLE OPTIONS

| Parameter | Option Code |
|-----------------------------|-------------|
| Frequency | |
| Frequency pullability (min) | |
| Any | |
| ±100ppm (<30MHz only) | S |
| ±80ppm | P |
| ±50ppm | N |
| Frequency stability | |
| Any | |
| ±50ppm | B |
| ±25ppm | C |
| Operating temperature range | |
| Any | |
| -20 to +70 °C | |
| -40 to +85 °C | I |

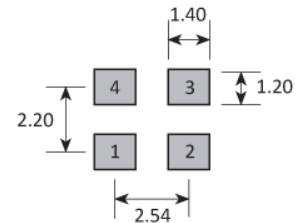
SPECIFICATIONS

| | |
|--|---|
| Frequency range | 1.50 ~ 54.0MHz |
| Dimensions | 5.0 x 3.2 x 1.3mm |
| Voltage control | +1.65V \pm 1.50V, 10% linearity |
| Storage temperature range | -40 to +85 °C |
| Supply voltage (V _{DD}) | +3.3V (\pm 10%) |
| Supply current | 10mA max (1.5 ~ 20.0MHz) 15mA max (>20.0 ~ 30.0MHz) 20mA max (>30.0 ~ 40.0MHz) 25mA max (>40.0MHz) |
| Driving ability | 15pF CMOS |
| Logic levels | '0' level = 10%V _{DD} max '1' level = 90%V _{DD} min |
| Waveform symmetry | 45:55 max @ 50%V _{DD} |
| Rise / fall time (10%~90%V _{DD}) | 10ns max (1.5 ~ 10.0MHz) 6ns max (>10.0MHz) |
| Start up time | 10ms max |
| Period jitter RMS | 6 ps max |
| Phase jitter RMS | 1ps max, 12kHz ~ 20MHz |
| Phase noise (typ) | -130dBc/Hz @ 1kHz |
| Ageing | \pm 5ppm / year max |

PACKAGE DRAWING



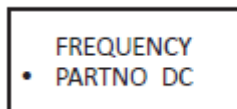
SOLDER PAD LAYOUT



TOP VIEW

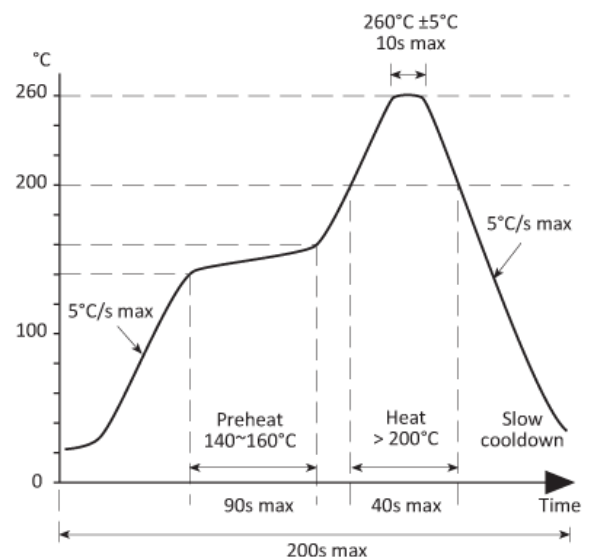
| PAD | CONNECTION |
|-----|-----------------|
| 1 | Control voltage |
| 2 | Ground |
| 3 | Output |
| 4 | Supply |

MARKING

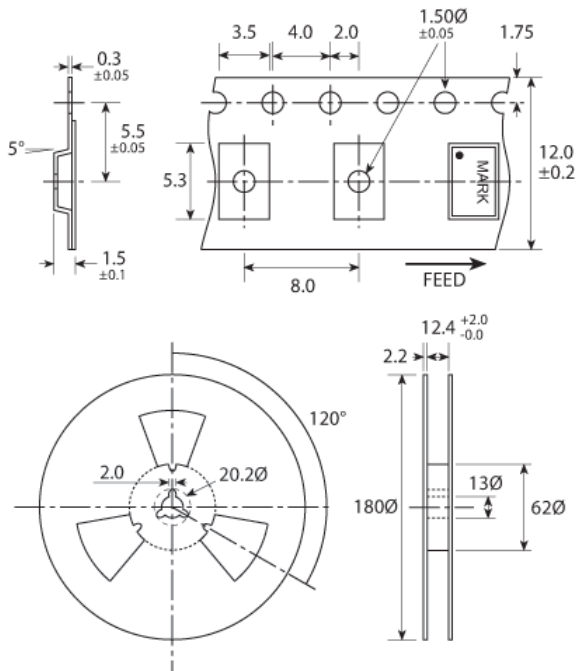


- Pin 1
- Marking type: Laser

SOLDERING PROFILE



TAPE & REEL SPECIFICATION



CONSTRUCTION

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

HANDLING & STORAGE



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



Moisture Sensitivity Level (MSL): 1

MATERIAL COMPOSITION



Product is RoHS 2 compliant



REACH Compliance Statement



text and link to Conflict Minerals pdf statement



Text and link to Halogen Free pdf statement



Text and link to Ozone depletion statement pdf

OTHER INFORMATION

About Golledge

The UK's leading suppliers of Frequency Control Products, we have been growing since 1990. This growth has been achieved through maintaining our focus firmly on our customers' requirements and by striving always to meet and exceed them. Our philosophy has always been based on quality and consistency of products and service.

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