CC7V-T1A

SM 32.768Khz Watch Crystal with Military Temperature Range

- High shock & vibration resistance
- Military temperature range -55+125°C option
- Low power consumption

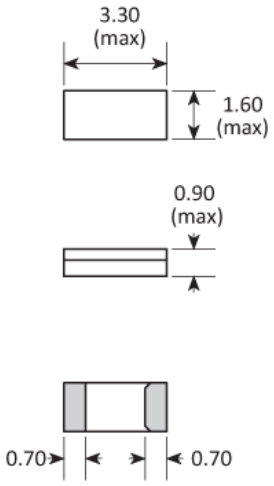
CONFIGURABLE OPTIONS

Parameter	Option Code
Calibration tolerance	
±20ppm	
±100ppm	
Operating temperature range	
Any	
-40 to +85°C	
-55 to +125°C	M
Circuit condition	
Any	
7pF	
9pF	
12.5pF	

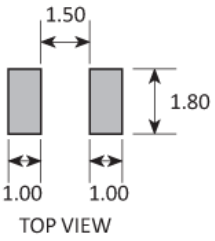
SPECIFICATIONS

Frequency	32.768kHz
Dimensions	3.3 x 1.6 x 0.9mm
Storage temperature range	-55 to +125°C
Static capacitance (C_0)	1.2pF typ
Motional capacitance (C_1)	4.0fF typ
Equivalent series resistance	50kΩ typ, 70kΩ max
Ageing	±3ppm max first year
Drive level	1.0µW max
Turnover temperature (T_0)	+25°C ±5°C
Frequency / temp coefficient	-0.035ppm/°C^2 typ
Shock resistance	±5ppm, 5,000g, 0.3ms, ½ sine
Vibration resistance	±5ppm, 20g, 10.0 ~ 2,000Hz
Terminations	Gold plated pads
Soldering condition	Reflow, 260°C, 20 sec max

PACKAGE DRAWING



SOLDER PAD LAYOUT



Dimensions in mm

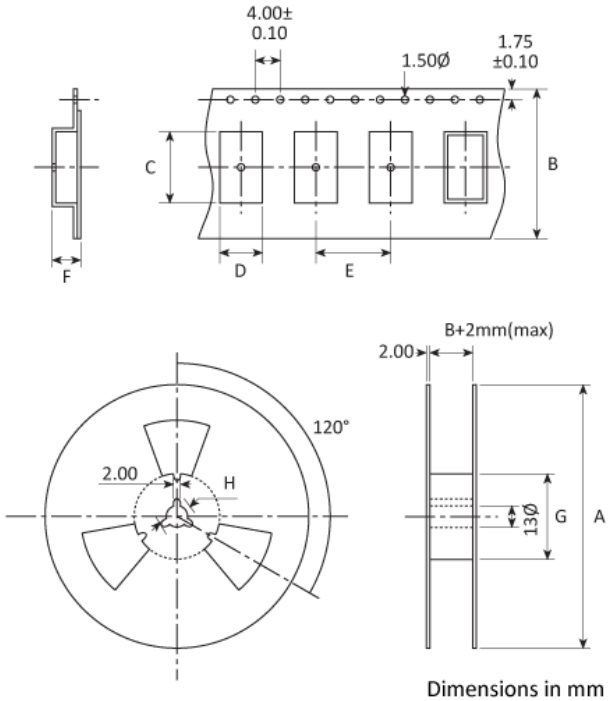
ORDERING INFORMATION

To request a quotation for the CC7V-T1A 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.

TAPE & REEL SPECIFICATION



Dimensions in mm

A:178* B:12 C:3.5 D:1.8 E:4 F:1.1 G:80 H:21

*Larger reel size available. Please ask for details

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

CONSTRUCTION

Ceramic base and lid