

# GRX-210

# Ultra-miniature Automotive Crystal (AEC-Q200)

- AEC-Q200 qualified for automotive applications
- Vacuum seal for excellent long-term stability
- High reliability at low cost
- Metal lid can be grounded to minimise EMI
- Miniature size for maximum space/weight saving



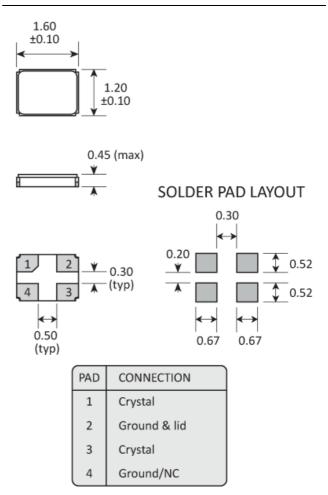
#### **CONFIGURABLE OPTIONS** Parameter **Option Code** Frequency Calibration tolerance Any 1 ±10ppm Ρ ±15ppm 2 ±20ppm Temperature stability Any Ρ ±15ppm ±20ppm 2 5 ±50ppm Operating temperature range Any -40 to +85°C 4 -40 to +125°C А Circuit condition Any 8pF Μ 10pF А 12pF В D 16pF Oscillation mode Fundamental F



# **SPECIFICATIONS**

26.0 ~ 40.0MHz
1.6 x 1.2 x 0.45mm
-40 to +125°C
5pF max
100Ω max (26.0 ~ 29.99MHz)
80Ω max (30.0 ~ 40.0MHz)
±3ppm max first year
10µW typ, 100µW max
260°C, 10 sec x2 max
AEC-Q200 (Automotive)

### **PACKAGE DRAWING**



Dimensions in mm



# **ORDERING INFORMATION**

To request a quotation for the GRX-210 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.

#### MARKING

FREQUENCY S DC Marking type: Laser

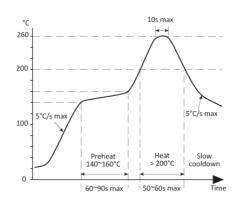
#### DC = Date Code in YM, eg. "GF" = Jun 2017

		Α	В	С	D	Ε	F	G	н	J	K	L	М
	Y	1	2	3	4	5	6	7	8	9	0		
ĺ	м	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec

# **APPLICATIONS**

Vehicle telematics Connected car Remote keyless entry (RKE) Audio (DAB/Bluetooth) Camera

# SOLDERING PROFILE

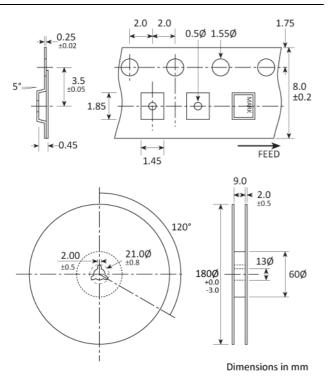


Solderability limits:

260°C max x 10sec max x 2 max



# **TAPE & REEL SPECIFICATION**



# CONSTRUCTION

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

# **HANDLING & STORAGE**

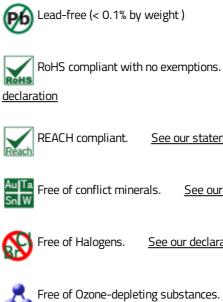


Human Body Model (HBM) 1A (250V to <500V)

-	_		
· ·			
۰.		. 1	
-			
		~	

Moisture Sensitivity Level (MSL): 1 (or not applicable)

# COMPLIANCE



See our statement

See our

See our



Free of conflict minerals. See our declaration



See our declaration

