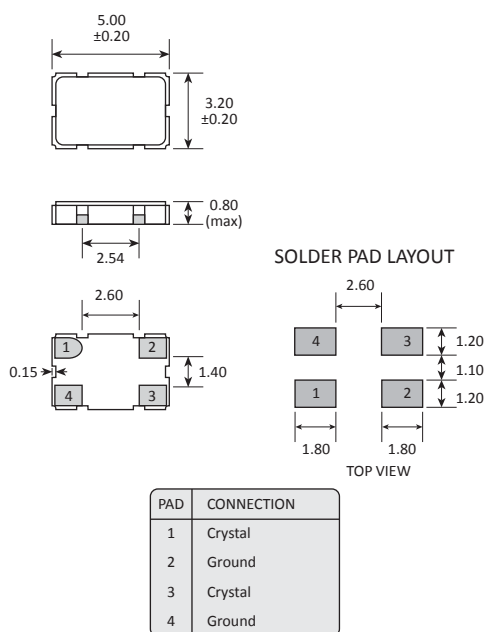
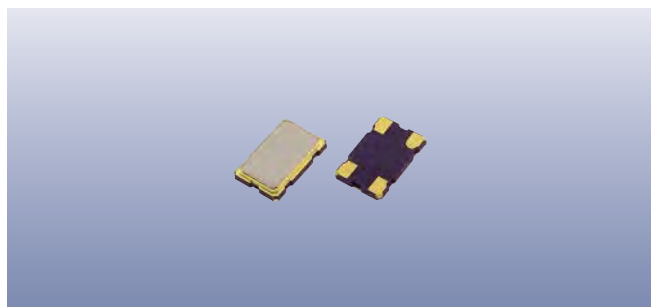




Features

- ▶ **Fundamental mode up to 315MHz**
- ▶ **Plasma etched inverted mesa process**
- ▶ **Wide pulling range (fundamental mode)**
- ▶ **Small & medium volumes also available**
- ▶ **Custom frequencies available on short lead times**

Specifications

Parameters	Product GSX-538	Option Codes
Frequency range:	8.0 ~ 315MHz	■
Calibration tolerance:	±10ppm ☐ ±20ppm ☐ ±30ppm ☐ Other values ☐	1 2 3 specify
Temperature stability:	±10ppm ☐ ±15ppm ☐ ±20ppm ☐ ±30ppm ☐ Other values ☐	1 P 2 3 specify
Operating temperature range:	-20 to +70°C ☐ -40 to +85°C ☐ Other values ☐	2 4 specify
Storage temperature range:	-40 to +90°C	■
Circuit condition:	8pF ☐ 9pF ☐ 12pF ☐ 16pF ☐ 20pF ☐ Series resonant ☐ Other values ☐	M N B D F S specify
Oscillation mode:	Fundamental (8.0 ~ 315MHz) ☐ 3rd overtone (60.0 ~ 150MHz) ☐	F 3
Static capacitance (C ₀):	7pF max	■
Equivalent series resistance (max):	150Ω (8.0 ~ 9.9MHz) ☐ 80Ω (10.0 ~ 11.9MHz) ☐ 60Ω (12.0 ~ 15.9MHz) ☐ 40Ω (16.0 ~ 315MHz, fund) ☐ 80Ω (60.0 ~ 150MHz, 3rd OT) ☐	
Ageing:	±3ppm max first year	■
Test drive level:	10μW typ, 100μW max	■
Soldering condition:	260°C, 10sec x2 max	■

■ Standard. □ Optional - Please specify required code(s) when ordering

Ordering Information

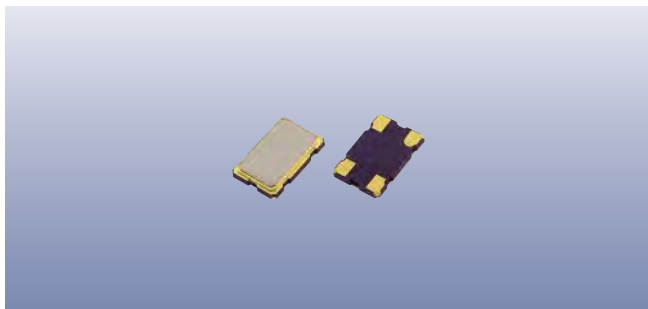
Product name + option codes + frequency

eg: **GSX-538/234DF 12.80MHz** 20/30/40/16-F

GSX-538/352BF 100MHz 30/50/20/12-F

Option code X (eg GSX-538/X) denotes a custom specification.

♦ ±10ppm calibration and/or temperature stability may not be available above 70.0MHz. Please check before ordering.



Packaging & Handling

Production quantities supplied on T&R, 1k or 2k pcs per reel.
Small quantities may be supplied on tape (no reel), or in bulk.

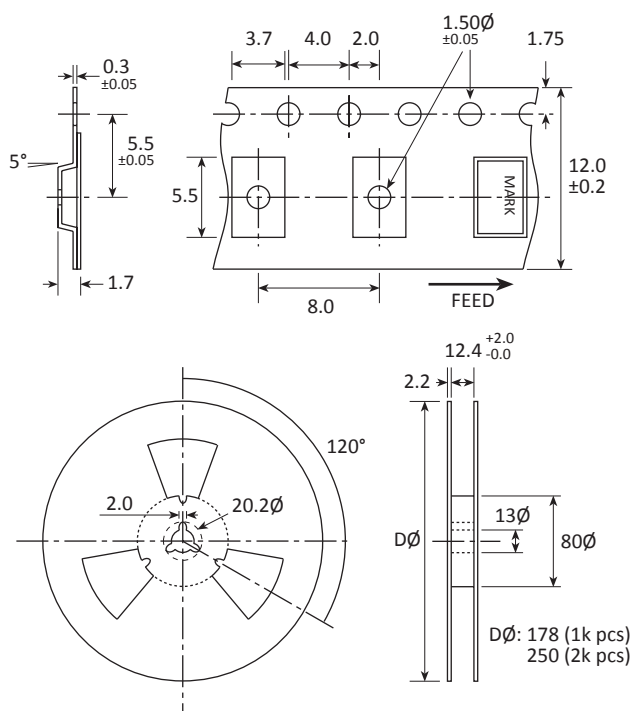
Marking

FREQUENCY
DC

Marking type: Laser
DC = Date code in YM, eg "EB" = Feb 2015

	A	B	C	D	E	F	G	H	J	K	L	M
Y	1	2	3	4	5	6	7	8	9	0		
M	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec

Tape & Reel Specification



Construction

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

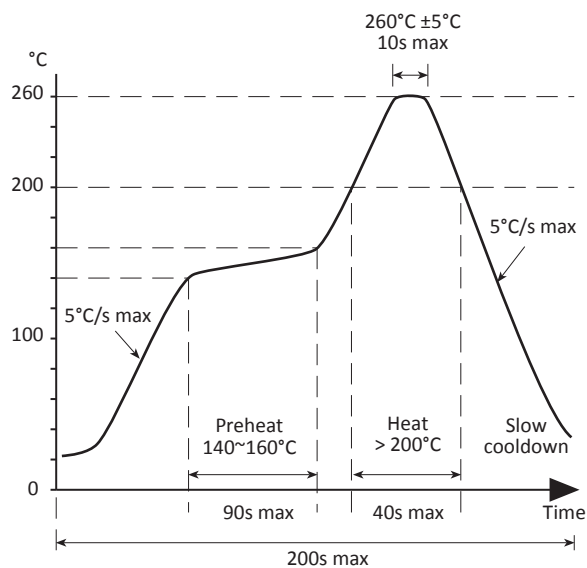
Composition



This product is lead-free, and is fully compliant with current RoHS directives



Soldering Profile



Maximum solder resistance: 260°C x 10 secs x 2.