

## ● Part Numbering

### Crystal Unit

(Part Number)

XR	C	GB	24M000	F	0	L	00	R0
①	②	③	④	⑤	⑥	⑦	⑧	⑨

#### ① Product ID

Product ID	
XR	Crystal Unit

#### ② Lead Style

Code	Lead Style
C/T	SMD

#### ③ Size · Structure

Code	Size · Structure
ED	1210 (STD) Metal Sealing
FD	1612 (STD) Metal Sealing
MD	1612 (Low Profile) Metal Sealing
GB	2016 (STD) Resin Sealing
PB	2016 (Low Profile) Resin Sealing
HA	2520 Resin Sealing
HH	2520 Metal Sealing
HJ	2520 Seam Sealing
JH	3225 Metal Sealing
JK	3225 Seam Sealing
LH	5032 Metal Sealing
LK	5032 Seam Sealing

#### ④ Nominal Center Frequency

Expressed by six-digit alphanumeric. The unit is in hertz (Hz).  
Decimal point is expressed by capital letter "M".

#### ⑤ Overtone Order

Code	Overtone Order
F	Fundamental
K	Customized Fundamental

#### ⑥ Frequency Tolerance

Code	Frequency Tolerance
0	±100ppm
1	±10ppm
2	±20ppm
3	±30ppm
4	±45ppm/±40ppm* <sup>1</sup>
5	±50ppm
A	±25ppm/±15ppm* <sup>2</sup>
Y	Total* <sup>3</sup> ±20ppm

\*1 \*2 When ③ is "HH" or "JK"

\*3 Including Initial Tolerance+Temperature  
Characteristics+Aging+Reflow

#### ⑦ Frequency Shift by Temperature

Code	Frequency Shift by Temperature
A	±100ppm max. (Automotive Grade)
G	±50ppm (Car Multimedia Grade)
L	±50ppm min.
M	±40ppm
N	±25ppm or 30ppm
P	±20ppm
H/Q	±10ppm to ±15ppm/±10ppm to ±19ppm* <sup>1</sup>
Z	±100ppm (for Industrial)

\*1 When ③ is "HH" or "JK"

#### ⑧ Individual Specification

Code	
**	Two-digit alphanumerics express Individual Specification.

00: Standard specification type.

⑨ Packaging (Quantity and Plastic taping reel diameter are expressed by one-digit number in "\*\*")

Code	Packaging
R*/E*/J*/P*	Plastic Taping

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Murata:

[XRCHA16M000F0A01R0](#) [XRCHA20M000F0A01R0](#) [XRCHA24M000F0A01R0](#)