

● 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
GB	2016 (STD) Resin Sealing
HA	2520 Resin Sealing
PB	2016 (Low Profile) Resin Sealing
GD	2016 Metal Sealing
FD	1612 (STD) Metal Sealing
MD	1612 (Low Profile) Metal Sealing
HH	2520 Metal Sealing
JK	3225 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*1
A	±25ppm/±15ppm*2
Y	Total*3±20ppm

*1 *2 In the case 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 (Automotive Grade)
G	±50ppm (Car multimedia Grade)
L	±50ppm min.
M	±40ppm
N	±25ppm or 30ppm
P	±20ppm
Q	±10ppm to ±15ppm/±10ppm to ±19ppm*1
Z	±100ppm (for Industrial)

*1 In the case when ③ is "HH" or "JK"

⑧ Individual Specification

Code	
**	Two-digit alphanumeric express Individual Specification.

00: Standard specification type.

⑨ Packaging (Packaging quantity is expressed by one-digit number in "*")

Code	Packaging
R*	Plastic Taping ø180mm
E*	Plastic Taping ø180mm*1
J*	Plastic Taping ø255mm*2

*1 *2 In the case when ③ is "HH" or "JK"