Part Numbering

Crystal Unit

(Part Number)

XR	C	GB	24M000	F	0	L	00	R0
❶	❷	❸	❹	❺	❻	❼	❽	❾

❶Product ID

Product ID	
XR	Crystal Unit

❷Lead Style

Code	Lead Style
C	SMD

❸Size · Structure

Code	Size · Structure
GA	2016 (STD) Resin Sealing (Two-terminal Product)
GB	2016 (STD) Resin Sealing
GE	2016 (STD) Resin Sealing (High-precision Product)
PB	2016 (Low Profile) Resin Sealing
HA	2520 Resin Sealing

❹Nominal Center Frequency

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

❺Overtone Order

Code	Overtone Order
F	Fundamental
K	Customized Fundamental
M	Fundamental (High-precision Product)

❻Frequency Tolerance

Code	Frequency Tolerance
0	±100ppm
1	±10ppm
2	±20ppm
3	±30ppm
4	±45ppm
5	±50ppm
A	±25ppm
B	±15ppm
F	±8ppm
X	Total*1

*1 Including Initial Torelance+Temperature Characteristics+Aging. Please refer to the data sheets for specifications.

❼Frequency Shift by Temperature

Code	Frequency Shift by Temperature
A/F/V	Automotive G1 Grade (Operating temperature range Upper limit: 125°C or more)
C	Automotive G2 Grade (Operating temperature range Upper limit: 105°C)
G	±50ppm (Car Multimedia Grade)
L	±50ppm min.
M	±40ppm
N	±25ppm or 30ppm
P	±20ppm
Q	±10ppm to ±15ppm
S	±10ppm to ±20ppm
Z	±100ppm (for Industrial)

❽Individual Specification

Code	
**	Two-digit alphanumerics express Individual Specification.

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

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