## ● Part Numbering

### Crystal Unit

(Part Number)   **XR** **C** **GB** **24M000** **F** **0** **L** **00** **R0**
                  ❶  ❷   ❸      ❹        ❺  ❻  ❼  ❽  ❾

**❶ Product ID**

| Product ID | |
|---|---|
| **XR** | Crystal Unit |

**❷ Lead Style**

| Code | Lead Style |
|---|---|
| **C/T** | SMD |

**❸ Structure/Size**

| Code | Structure/Size |
|---|---|
| **GB** | Cap Chip Type/2016 (STD) |
| **HA** | Cap Chip Type/2520 (STD) |
| **PB** | Cap Chip Type/2016 (Low Profile) |
| **GD** | Cap Chip Type/Au-Sn sealing/2016 |
| **FD** | Cap Chip Type/Au-Sn sealing/1612 (STD) |
| **MD** | Cap Chip Type/Au-Sn sealing/1612 (Low Profile) |

**❹ Nominal Center Frequency**

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

**❺ Overtone Order**

| Code | Overtone Order |
|---|---|
| **F** | Fundamental |
| **K** | Customized Fundamental |

**❻ Frequency Tolerance**

| Code | Frequency Tolerance |
|---|---|
| **0** | ±100ppm |
| **1** | ±10ppm |
| **2** | ±20ppm |
| **3** | ±30ppm |
| **4** | ±45ppm |
| **A** | ±25ppm |

**❼ Frequency Shift by Temperature**

| Code | Frequency Shift by Temperature |
|---|---|
| **A** | ±100ppm (Automotive Grade) |
| **L** | ±50ppm or 100ppm |
| **M** | ±40ppm |
| **N** | ±25ppm or 30ppm |
| **P** | ±20ppm |

**❽ Individual Specification**

| Code | |
|---|---|
| ** | Two-digit alphanumeric express Individual Specification. |

**00**: Standard specification type.

**❾ Packaging**

| Code | Packaging |
|---|---|
| **R0** | Plastic Taping ø180mm |
| **R1** | Plastic Taping ø330mm |

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