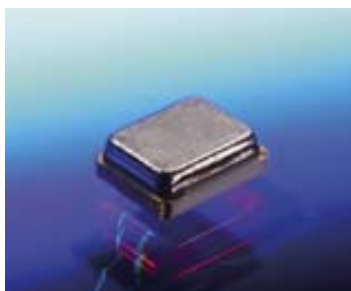


# Crystal Resonator (HCR)



## XRCGB series 【For consumer equipment】



### ■FEATURES

Available for S-ATA and USB2.0 (High Speed)

Small package (2.0 × 1.6mm)

Compatible with RoHS directive (phase 3)

### ■APPLICATIONS

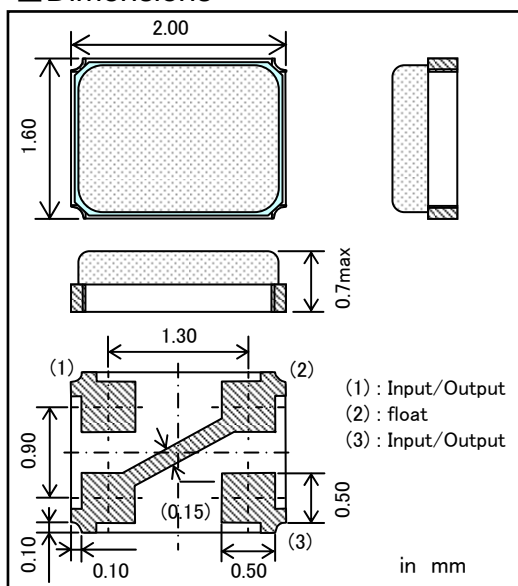
HDD / SSD / Optical Drive (Available for S-ATA interface)

DSC / Camcorder / USB Flash Drive / Printer / Mobile phone etc.  
(USB2.0)

### ■STANDARD SPECIFICATIONS

ITEM	SPECIFICATIONS	REMARK
Nominal Frequency	24.0000MHz 25.0000MHz 27.0000MHz 30.0000MHz 33.8688MHz 40.0000MHz 48.0000MHz	The available nominal frequencies are shown in left.
Frequency Tolerance	+/- 100ppm	+25 +/-3°C
Frequency shift by temperature	+/- 50ppm (-30 to +85°C)	Based on +25°C
Operating Temperature	-30 to +85 °C	
Equivalent Series Resistance	100 Ω max. (over 30.0000MHz) 150 Ω max. (24.0000MHz/25.0000MHz/27.0000MHz)	
Drive Level	300 μW max.	
Load Capacitance	6 pF	

### ■Dimensions



### ■Part Number

**XRCGB 33M868 F0L00 R0**

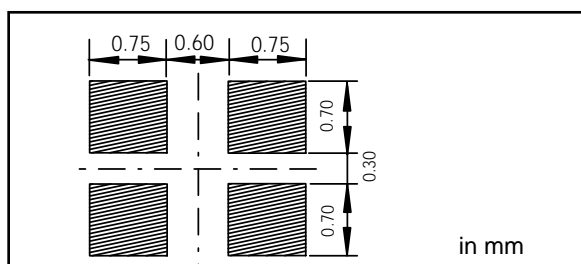
Series Name      Nominal Frequency      Individual Specification      Packaging

\*Frequency is expressed by six-digit alphanumeric.

(example : 33.8688MHz →33M868)

\*With standard products, individual Specification is "F0L00"

### ■Recommendable Land Pattern



HCR : Hybrid Crystal Resonator

This information may be changed without a previous notice.