

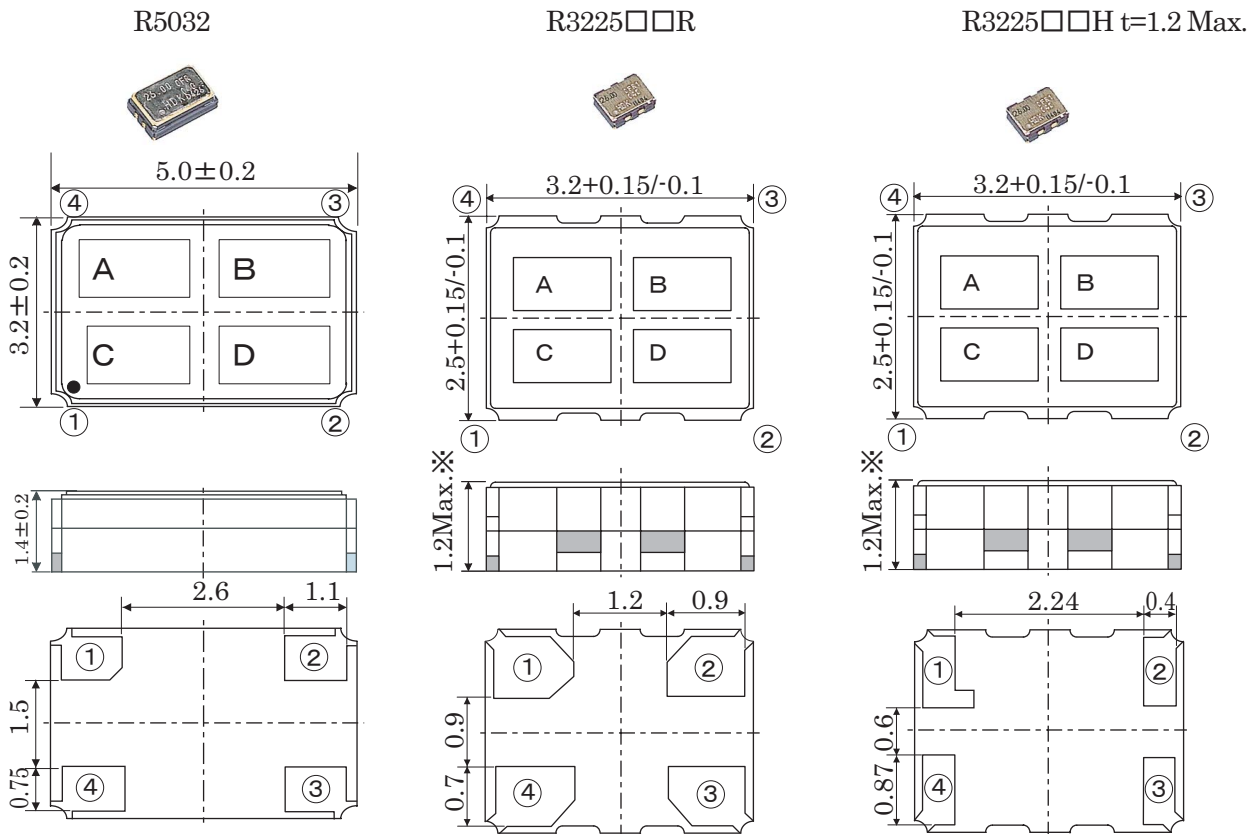


Temperature Compensated Crystal Oscillator

■ Features

- Miniature size 5032, 3225 sizes
- Surface mountable (Reflow solderable)
- Low voltage (operable as low as +2.4VDC±0.1V of power voltage)
- With Auto frequency control
- Pb free, RoHS Directive-compliant

■ Dimensions



※Thickness 1.0mm Max. type is also possible.

① Vcont or GND	③ OUTPUT
② GND	④ Vdd

■ Specifications

Item	VT-R5032/3225		TC-R5032/3225	New HV-R5032/3225	New HT-R5032/3225	Unit	Remarks
	GSM	CDMA, WLL	PHS	High precision type			
Application	GSM	CDMA, WLL	PHS	High precision type			
Frequency	13.0 26.0	19.2 19.68	19.2	12.6~40.0	12.6~40.0	MHz	
Storage Temp. Range	-40~+85	-40~+85	-40~+85	-40~+85	-40~+85	°C	
Operating Temp. Range	-20~+75	-30~+80	-10~+60	-30~+85	-30~+85	°C	
Power Supply	DC+2.8,+2.7	DC+2.8,+2.7	DC+3.0,+2.8	DC+3.0,+2.8	DC+3.0,+2.8	V	
Current Consumption	1.7Max.	1.7Max.	1.5Max.	2.0Max.	2.0Max.	mA	
Output	0.8Min.	0.8Min.	0.8Min.	0.8Min.	0.8Min.	V _{p-p}	
Load Capacitance	10kΩ//10pF	10kΩ//10pF	10kΩ//10pF	10kΩ//10pF	10kΩ//10pF		
Frequency Control Range	±9~±15	±4~±8	-	±3~±5	-		1.5±1V
Frequency Stability							
for Temperature	±2.5(option±1.0)	±2.0(option±1.0)	±2.0	±1.0(option±0.5)	±1.0(option±0.5)	ppm	Operating Temp. Range
for Power Supply	±0.2	±0.2	±0.2	±0.2	±0.2		±5%
for Loading	±0.2	±0.2	±0.2	±0.2	±0.2		10kΩ//10pF
for Aging	±1.0	±1.0	±1.0	±1.0	±1.0		Year

Specifications which are different from those above may be acceptable.