



**Ph Free**

**RoHS Compliant**

**Features**

- Frequency range 300 to 480MHz
- 1 port type SMD resonator
- Small size (5.5×3.8mm)
- Low profile (1.5mm max.)
- SMT ceramic package
- High reliability sealing
- Excellent temperature characteristics
- +100ppm to -250ppm (-40°C to 85°C)

**Applications**

- Keyless Entry Systems
- Garage Openers
- Security Systems

**How to Order**

PARS 315.00 K 00 R  
① ② ③ ④ ⑤

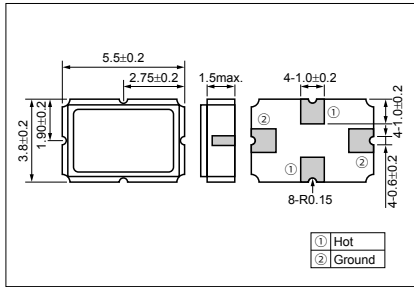
- ① Series
- ② Resonant Frequency (MHz)
- ③ Marking Code
- ④ Frequency Tolerance or Custom Spec.

<b>00</b>	±250kHz	<b>03</b>	±100kHz
<b>01</b>	±200kHz	<b>04</b>	±75kHz
<b>02</b>	±150kHz	<b>11≤</b>	Custom Spec.

- ⑤ Packaging  
R : Tape & Reel (2000pcs./Reel)

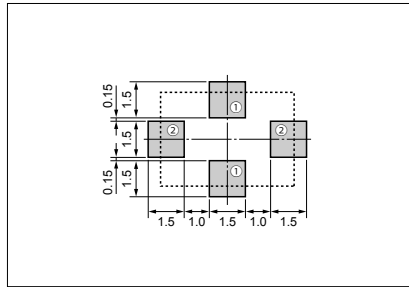
**Dimensions**

(Unit : mm)



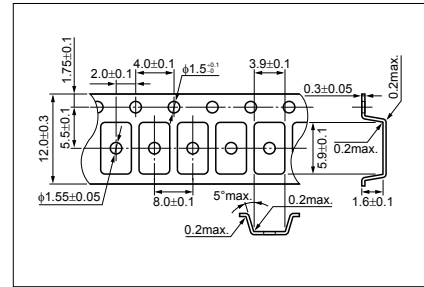
**Recommended Land Pattern**

(Unit : mm)



**Packaging**

(Unit : mm)

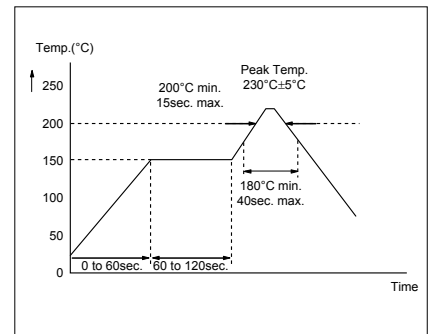


**Specifications**

Part Number	Resonant Frequency(MHz)	Resonant Loss(dB)	Parallel Capacitance(pF)	Temperature Characteristics (ppm/°C)
PARS303.00N04R	303.000±0.075	2.5 max.	4.0 max.	±8 max.
PARS303.33L04R	303.330±0.075			
PARS303.82M04R	303.825±0.075			
PARS303.87K04R	303.875±0.075			
PARS304.30K04R	304.300±0.075			
PARS304.45L04R	304.450±0.075		3.2 max.	
PARS310.00K04R	310.000±0.075			
PARS314.00K04R	314.000±0.075			
PARS314.50L04R	314.500±0.075			
PARS315.00K04R	315.000±0.075			
PARS320.65K04R	320.650±0.075	2.3 max.		
PARS345.00K04R	345.000±0.075			
PARS418.00K04R	418.000±0.075			
PARS423.22K04R	423.220±0.075			
PARS432.92K04R	432.920±0.075			
PARS433.42L04R	433.420±0.075			
PARS433.92K04R	433.920±0.075			
PARS479.50K04R	479.500±0.075			

\*Please contact your local sales office for custom frequency.

**Recommended Temperature IR Reflow**





**Pb Free**

**RoHS Compliant**

Surface Acoustic Wave Resonator for Remote Keyless Entry System (RKE)

**Features**

- Ultra-miniature size
- 1 port type SMD resonator
- High reliability
- Excellent temperature characteristics

**Applications**

- Remote Keyless Entry System (RKE)
- Garage Openers
- Security Systems

**How to Order**

**PARM 315.00 K 04 R**

① ② ③ ④ ⑤

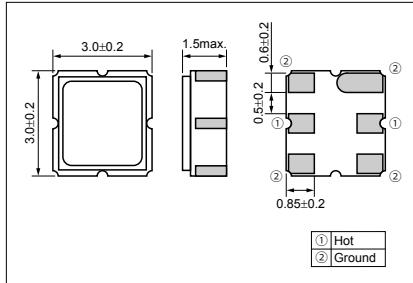
- ① Series
- ② Resonant Frequency (MHz)
- ③ Marking Code
- ④ Frequency Tolerance or Custom Spec.

<b>00</b>	±250kHz	<b>03</b>	±100kHz
<b>01</b>	±200kHz	<b>04</b>	±75kHz
<b>02</b>	±150kHz	<b>11≤</b>	Custom spec.

⑤ Type

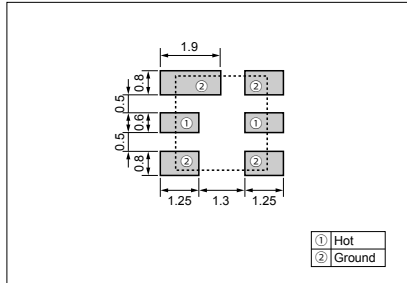
**Dimensions**

(Unit : mm)



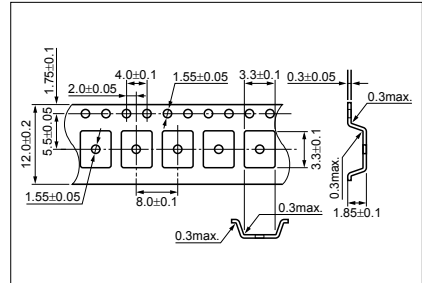
**Recommended Land Pattern**

(Unit : mm)



**Packaging**

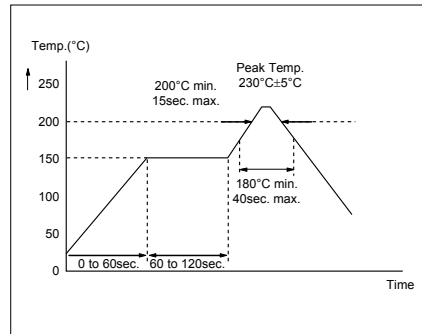
(Unit : mm)



**Specifications**

Part Number	Resonant Frequency(MHz)	Resonant Loss(dB)	Parallel Capacitance(pF)	Temperature Characteristics(ppm/°C)	Operating Temperature(°C)	Storage Temperature(°C)
<b>PARM315.00K04R</b>	315.000±0.075	2.5 max.	4.0 max.	±8 max.	-40 to 85	-40 to 85
<b>PARM433.92K04R</b>	433.920±0.075					

**Recommended Temperature IR Reflow**





**Pb Free**

**RoHS Compliant**

Surface Acoustic Wave Resonator for TPMS

**Features**

- Low profile
- 1 port type SMD resonator
- High reliability
- Excellent temperature characteristics

**Applications**

- TPMS

**How to Order**

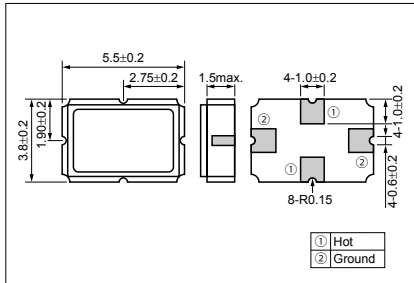
**PARV 315000 A**

- ①      ②      ③

- ① Series
- ② Resonant Frequency (MHz)
- ③ Type

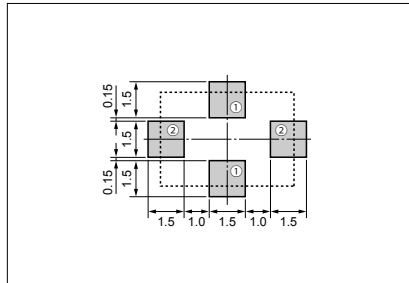
**Dimensions**

(Unit : mm)



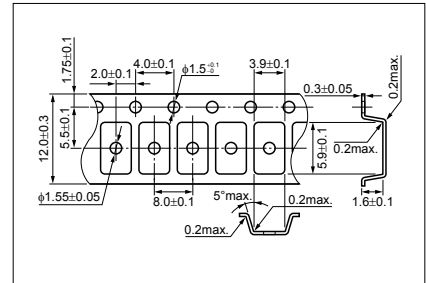
**Recommended Land Pattern**

(Unit : mm)



**Packaging**

(Unit : mm)



**Specifications**

Part Number	Resonant Frequency(MHz)	Resonant Loss(dB)	Parallel Capacitance(pF)	Operating Temperature(°C)	Storage Temperature(°C)
PARV315000A	315.000±0.100	2.0 max.	3.2 max.	-40 to 120	-40 to 120
PARV433920A	433.920±0.100	2.0 max.	3.2 max.	-40 to 120	-40 to 120

**Recommended Temperature IR Reflow**

