

## **RTF3215 – SMD Tuning Fork Crystal**

3.2 x 1.5 mm, SMD

## **Product Features**

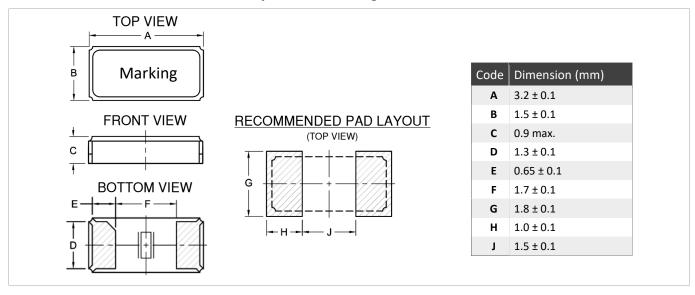
- Compact, low profile (3.2 x 1.5 x 0.9 mm) and lightweight SMD tuning fork crystal resonator.
- Ceramic package and metal lid assures extreme accuracy and high-reliability through utilising electron beam sealing method.
- Applications: Microprocessors, Mobile Communications, DVC / DSC, SSD / HDD, GNSS and general purpose.



## **Frequency and Electrical Characteristics**

Parameter	Min.	Тур.	Max.	Unit	Test condition / Description
Nominal frequency (Fn)		32.768		kHz	
Frequency tolerance			±20	ppm	At 25°C
Turnover temperature	20	25	30	°C	
Parabolic coefficient	-0.02	-0.03	-0.04	ppm/°C <sup>2</sup>	
Motional capacitance		4.7		fF	
Motional resistance (ESR)			70	kΩ	
Drive level			0.5	μW	
Operating temperature range	-40		+85	°C	
Storage temperature range	-55		+125	°C	
Load capacitance (Lc) Standard part number <sup>1</sup> : 106292 105993 106042 105992		6, 7, 9, 12.5 6 7 9 12.5		pF	
Standard Packing Quantity (SPQ)			9000	pcs/reel	Ф300mm reel

## Model Outline, Recommended Pad Layout and Marking



<sup>&</sup>lt;sup>1</sup> Consult Rakon sales representatives for other specifications. All specifications and markings are subject to change without notice.