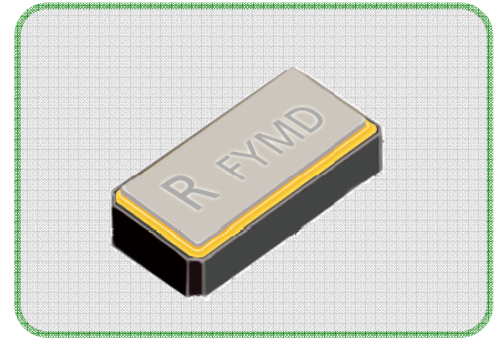


# RTF2012 - SMD Tuning Fork Crystal



## PRODUCT FEATURES:

- Compact, low profile (2.0 x 1.2 x 0.5 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, GPS and General Purpose.



## SPECIFICATIONS:

ITEM	SPECIFICATIONS
Nominal frequency (kHz)	32.768
Frequency tolerance at 25°C (ppm)	±10, ±20, ±30, ±50, ±100
Turnover temperature (°C)	25 ± 5
Parabolic coefficient (/°C <sup>2</sup> )	-0.03 ± 0.01 x 10 <sup>-6</sup>
Motional capacitance (fF)	7.0 Typ.
Motional resistance (ESR) (kΩ)	90 Max.
Drive level (μW)	0.5 Max.
Load capacitance (pF)	9.0 and 12.5
Storage temperature range (°C)	-55 to +125
Operating temperature range (°C)	-40 to 85
Packing unit (pcs/Ø180mm reel)	3000



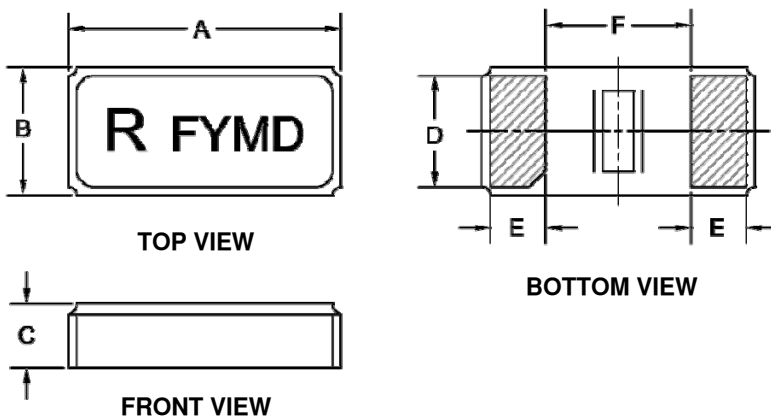
## STANDARD PART:

FREQUENCY TOLERANCE ± 20 ppm	
Part Number	Load Capacitance
508094	9.0 pF
508172	12.5 pF

## NOTE:

- Consult Rakon sales representatives for other specifications.
- All specifications and markings are subject to change without notice.

## MODEL OUTLINE



CODE	DIMENSION (mm)
A	2.0
B	1.2
C	0.5
D	1.0
E	0.5
F	0.8
Tolerance	X.X and X.XX = ± 0.1

