

RTF2012 - SMD Tuning Fork Crystal



PRODUCT FEATURES:

- Compact, low profile (2.0 x 1.2 x 0.6 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)	± 20
Turnover temperature (°C)	25 ± 5
Parabolic coefficient (/°C ²)	-0.03 ± 0.01 x 10 ⁻⁶
Motional capacitance (fF)	5.0 Typ.
Motional resistance (ESR) (kΩ)	80 Max.
Drive level (μW)	0.5 Max.
Load capacitance (pF)	6.0, 9.0 and 12.5
Storage temperature range (°C)	-55 to +125
Operating temperature range (°C)	-40 to 85
Packing unit (pcs/∅180mm reel)	3000

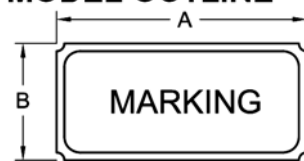
STANDARD PART:

FREQUENCY TOLERANCE ± 20 ppm	
Part Number	Load Capacitance
106466	6.0 pF
106082	9.0 pF
106180	12.5 pF

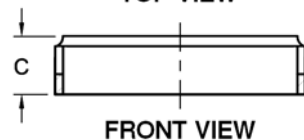
NOTE:

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

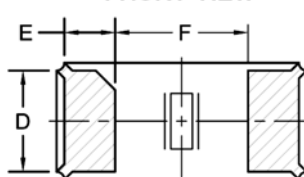
MODEL OUTLINE



TOP VIEW



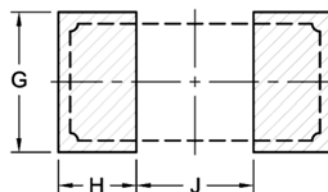
FRONT VIEW



BOTTOM VIEW

RECOMMENDED PAD LAYOUT

- TOP VIEW



CODE	DIMENSION (mm)
A	2.0
B	1.2
C	0.6 max.
D	1.0
E	0.5
F	0.8
G	1.4
H	0.7
J	0.8
Tolerance	X.X and X.XX = ± 0.1

Rakon Limited

8 Sylvia Park Road, Mt. Wellington, 1060, Auckland, New Zealand
 Telephone: +64 9 573 5554 Facsimile: +64 9 573 5559 Email: sales@rakon.com

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