

Crystal resonancer

3.2*1.5MM TUNING FORK WATCH CRYSTAL 32.768KHz

Approved by:
Checked by:
Issued by:

SPECIFICATION

MODEL: VMN-9N6-32.768-12.5-20-70-C

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3.2*1.5MM TUNING FORK WATCH CRYSTAL 32.768KHz

FEATURE

- Wide Frequency range
- Small size
- Tape & Reel

APPLICATIONS

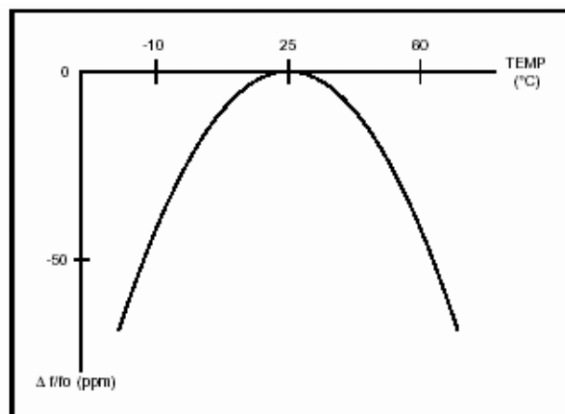
- Microprocessor Systems
- Consumer Electronics

ELECTRICAL SPECIFICATIONS

Frequency	32.768KHz
Frequency Tolerance (at 25°C)	±20ppm
Load Capacitance(C_L)	12.5pF
ESR	70K Ω Max
Turnover Temperature	25 ± 5°C
Frequency stability vs Temperature Range	-40 °C to + 85 °C
Frequency Temperature Curve	-0.04ppm/°C ² MAX
Storage Temperature Range	-40 °C to +85 °C
Operating Temperature Range	-40 °C to +85 °C
Shunt Capacitance (C_0)	1.3pF Typ
Dynamic Capacitance (C_1)	1.9fF Typ
Driver Level (Typical)	1 μ W Max
Insulation Resistance	500M Ω MIN at DC100V±15V
Aging @25°C 1 st year (Max)	±3ppm/year max

REMARK: SPECIFICATIONS SUBJECT TO CHANGE WITHOUT PRIOR NOTICE. PLEASE CONFIRM WITH OUR SALES ENGINEER.

Frequency VS Temperature Curve

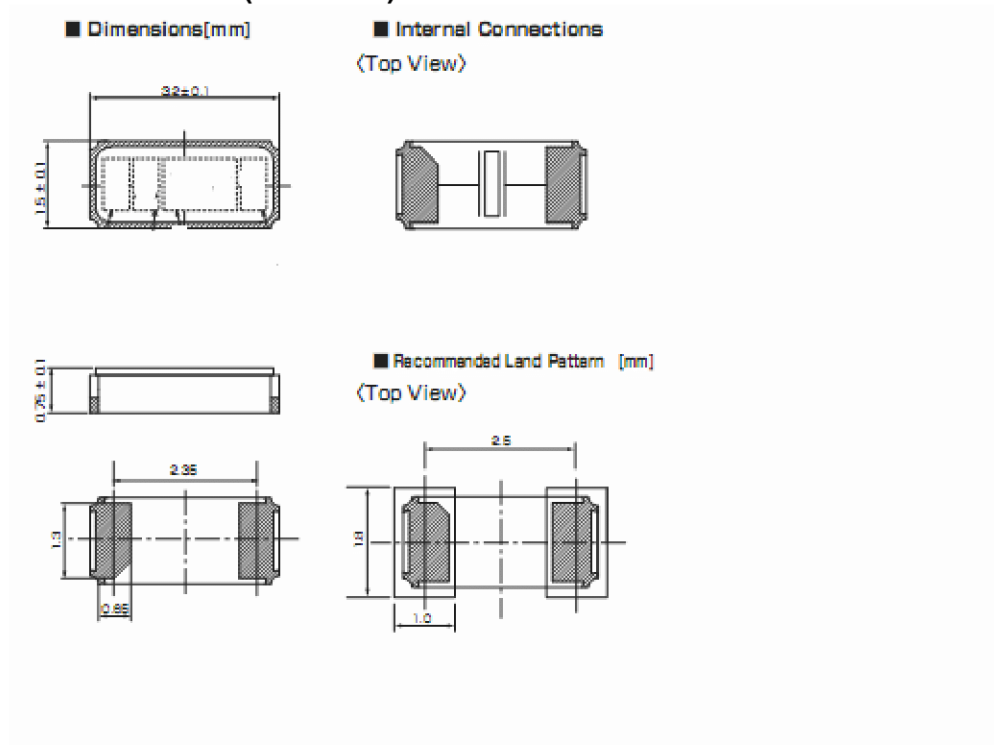


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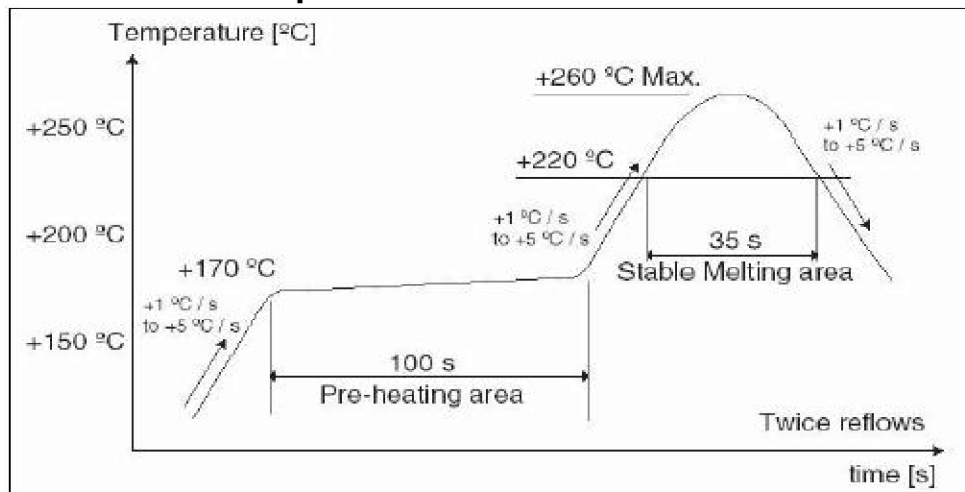
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PACKING AND DIMENSIONS

Dimensions (Unit: mm)



Recommended Reflow portfolio



PART NUMBER

VMN-	9N6	32.768K	12.5	20	70	C
	3.2×1.5mm	Frequency	Load capacitance	Frequency tolerance	E.S.R. 70kohm	temp.range C:-40+85°C