

TUNING FORK QUARTZ CRYSTAL UNIT IN RESIN MOLD SMD PACKAGE, SIZE 6.9 X 1.4MM WITH 4 J-LEADS.

01-CR3-14

PRODUCT FEATURES

- SMD resin mold package size 6.9 x 1.4 x 1.3mm with 4 J-leads.
- SUITABLE FOR SMT AND REFLOW PROCESSING.

APPLICATIONS

- REAL TIME CLOCKS
- MOTHERBOARDS

TIMING DEVICES

32.760

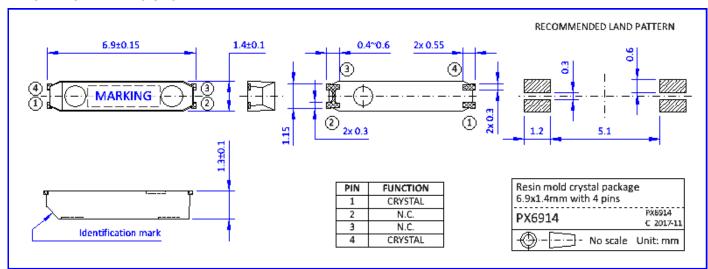
PRODUCT SPECIFICATIONS

PARAMETER	SYMBOL	SPECIFICATIONS	REMARKS
FREQUENCY	F _N	32.768ĸHz	_
OPERATION MODE	_	FUNDAMENTAL	-
FREQUENCY TOLERANCE	Δf/f	±20ррм, ±30ррм, ±50ррм	OTHER OPTIONS AVAILABLE
TEMPERATURE COEFFICIENT	К	-0.034ppm/Δ°C²	SEE NOTE 1
TURNOVER POINT TEMPERATURE	T _{TP}	+25±5°C	SEE NOTE 2
OPERATING TEMPERATURE RANGE	T _{OP}	–20°C ~+70°C or –40°C ~+85°C	OTHER OPTIONS AVAILABLE
LOAD CAPACITANCE	CL	6 то 32рF	PLEASE SPECIFY LOAD CAPACITANCE
EQUIVALENT SERIES RESISTANCE	ESR	65κΩ ΜΑΧ	_
Shunt capacitance	C ₀	0.9pF TYP	_
MOTIONAL CAPACITANCE	C ₁	1.9fF TYP	_
QUALITY FACTOR	Q	60,000 TYP	_
DRIVE LEVEL	DL	0.5μW TYP / 1.0μW MAX	_
AGING FIRST YEAR	$\Delta f/y_1$	±3РРМ	@+25°C
INSULATION RESISTANCE	IR	>500MΩ	@100±15V _{DC}
STORAGE TEMPERATURE RANGE	T _{ST}	−55°C ~+125°C	_

NOTE 1: THE TEMPERATURE COEFFICIENT IS THE CONSTANT OF THE PARABOLIC CURVATURE WHICH THE FREQUENCY DESCRIBES OVER OPERATING TEMPERATURE RANGE.

NOTE 2: THE TURNOVER TEMPERATURE DESCRIBES THE LOCATION OF THE TURNING POINT OF THE PARABOLIC FUNCTION.

MECHANICAL DIMENSIONS





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ENVIRONMENTAL COMPLIANCE INFORMATION

- ROHS 5/6 COMPLIANT (DIRECTIVE 2011/65/EC) BY FALLING UNDER EXEMP-TION 7(a) FOR LEAD (Pb>85%) IN HIGH MELTING POINT SOLDER ALLOY.
- COMPLIANT TO ROHS 2/3 (DIRECTIVE 2015/863) (ALSO CALLED ROHS 10).
- THE PRODUCT CONTAINS A SVHC PER REACH DUE TO THE INTENTIONAL USE OF LEAD (Pb), INFORMATION FOR IMPORTERS INTO THE EU CAN BE PROVIDED IN ORDER TO OBTAIN A SCIP ID AT THE ECHA.
- HALOGEN-FREE PER DEFINITION OF IEC 61249-2-21 2033.
- PRODUCT DOES NOT CONTAIN ANY PHTHALATES (PHS).
- PRODUCT DOES NOT CONTAIN PVC (POLYVINYL CHLORIDE).
- PRODUCT DOES NOT CONTAIN PFOS/PFOA NOR BEING SAME USED TO MANUFACTURE THE COMPONENTS OF THIS PRODUCT.

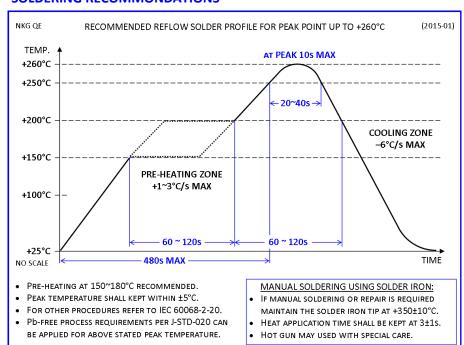
COMPLIANT





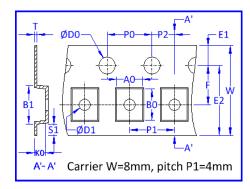


SOLDERING RECOMMONDATIONS



PACKAGING INFORMATION

- PACKAGING IN TAPE & REEL IN COMPLIANCE TO EIA-481.
- QTY PER REEL: 3,000 OR 9,000PCS
- REEL DIA A=180MM = 3KPCS
- REEL DIA A=330MM = 9KPCS
- **EMBOSSED CARRIER TAPE** WIDTH W = 16MM.
- COMPONENT PITCH P1 = 4MM.



PART NUMBER SYNTAX

PART NUMBER FAMILY (REPRESENTS PRODUCT MODEL AND PACKAGE SIZE / TYPE) NOMINAL FREQUENCY (IN KHZ WITH AT LEAST THREE DIGITS AFTER DECIMAL POINT "K") LOAD CAPACITANCE (ACTUAL VALUE IN PF, I.E. 06= 6PF, 07= 7PF, 09= 9PF, 12.5= 12.5PF) FREQUENCY TOLERANCE DESIGNATOR (ACTUAL VALUE IN PPM OR CODE FOR SPECIAL REQ.) OPERATING TEMPERATURE RANGE CODE (I.E. C= -10~60°C, E= -20~70°C, M= -40~85°C) PART NUMBER EXTENSION (ONLY FOR NONE-STANDARD OR CUSTOMIZED PART)

01-CR3-14-32κ768-09-20 M -EXT

FOR MORE INFORMATION PLEASE CONTACT US.

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