

## FEATURES

- HIGH RELIABILITY FOR LOW COST
- LOW PROFILE 1.4 MM PACKAGE HEIGHT
- OPERATING TEMPERATURE RANGE OF -40/+85°C
- EXCELLENT CLOCK SIGNAL GENERATOR FOR CPU'S



<b>MINIATURE SMD-WATCH-CRYSTAL SERIES</b>	M6714
<b>PACKAGE DIMENSIONS</b>	see drawing
<b>FREQUENCY</b>	32.768 kHz
<b>FREQUENCY TOLERANCE AT 25°C</b>	+20 ppm (standard) / +10 ppm (option)
<b>LOAD CAPACITANCE</b>	12.5 pF (standard) / 6 pF, 7 pF and 9 pF available on demand
<b>SERIES RESISTANCE</b>	65 kΩ max.
<b>OPERATING TEMPERATURE RANGE</b>	-40/+85°C
<b>STORAGE TEMPERATURE RANGE</b>	-55/+125°C
<b>TWO DIMENSIONAL TEMPERATURE CONSTANT</b>	-0.04 PPM/°C <sup>2</sup>
<b>TURNOVER TEMPERATURE</b>	+25°C +5°C
<b>DRIVE LEVEL</b>	1.0 μW max.
<b>SHUNT CAPACITANCE C0</b>	0.8 pF typical
<b>MOTIONAL CAPACITANCE C1</b>	1.9 fF typical
<b>AGING</b>	+3 ppm max. per year
<b>DELIVERY FORM</b>	Tape and Reel (1.000 pcs per reel)

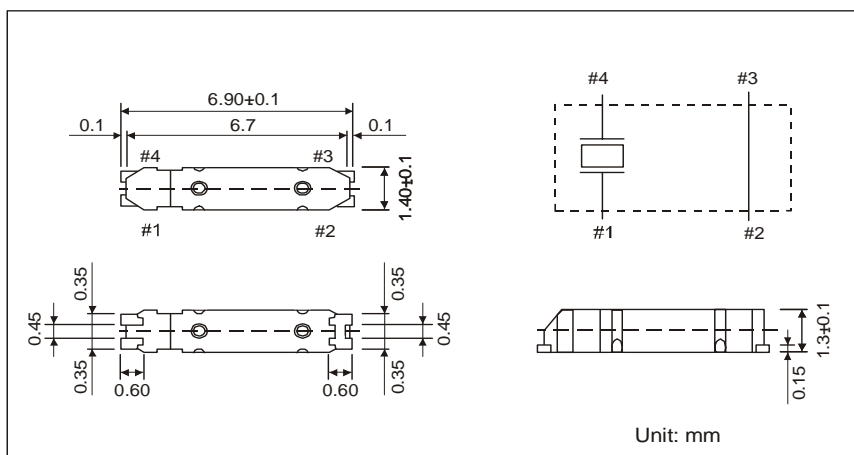
**OTHER PARAMETERS ARE AVAILABLE ON REQUEST / CREATE HERE YOUR SPECIFICATION**

## PART NUMBERING SYSTEM

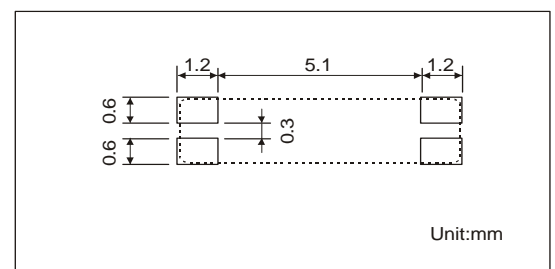
<b>EXAMPLE</b>	M6714 32.768 kHz +20 ppm -40/+85°C 12.5pF
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PACKAGE	M6714
FREQUENCY	32.768 kHz
FREQUENCY TOLERANCE AT 25°C	REQUIRED VALUE
TEMPERATURE RANGE	-40/+85°C standard
LOAD CAPACITANCE	REQUIRED VALUE

## OUTLINE DRAWING



## RECOMMENDED LAND PATTERN



Specification dated November 2009