



# AF7015 7x1.5mm KHz SMD CRYSTAL

**6.9 x 1.4 x 1.3 mm**



**APPLICATIONS:**

Real Time Clock  
Communication & Measuring  
Equipment

**FEATURES:**

Standard 32.768KHz  
Miniature Plastic Molded SMD Package

Pb in high temperature solder(exempt per RoHS 2002/95/EC Annex (7)).Suitable for RoHS compliant reflow.

## PART NUMBERING GUIDE

<b>AF 7015- 32.768K</b>	.....	—	.....	.....	.....
	Load Capacitance	Freq. Tolerance	Operating Temperature	Equivalent Series Resistance	
	12.5 : 12.5pF	20: ± 20ppm	A3: -20°C to 70°C	65 KΩ(Standard) or	
	7: 7pF	30: ± 30ppm	A6: -40°C to 85°C	Please specify	

## ELECTRICAL CHARACTERISTICS

PARAMETERS	SYMBOL	SPECIFICATION
Frequency Range	Fo	32.768KHz
Operating Temperature	To	- 40°C to + 85°C
Frequency Tolerance at +25°C	Δf/F	± 20 ppm (Standard) or specify
Temperature Coefficient	K	-0.04 ppm/°C 2 max.
Equivalent Series Resistance	R1	65 KΩ max.
Quality Factor	Q	55000 typical
Shunt Capacitance	C0	1.5pF max.
Load Capacitance	CL	12.5pf (Standard), or specify
Drive Level	DL	1μW max.
Aging at 25°C	Δf/F	± 3ppm max.(first year)
Insulation Resistance		500MΩ min at 100Vdc
Packing		3,000 pcs per Tape & Reel

## OUTLINE DRAWING: mm

## RECOMMENDED LAND PATTERN

