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## AF206 6x2mm KHz THRU-HOLE CRYSTAL

6.0 x  $\Phi$ 2.0 mm



**APPLICATIONS:**

Real Time Clock  
 Measuring Equipment

**FEATURES:**

Standard 32.768KHz  
 Watch Frequency  
 Low Cost for Consumer Applications

### PART NUMBERING GUIDE

<b>AF206 - 32.768K</b>	.....	—	.....	.....	.....
	Load Capacitance		Freq. Tolerance	Operating Temperature	Equivalent Series Resistance
	12.5 : 12.5pF		20: $\pm$ 20ppm	A3: -20°C to 70°C	40 K $\Omega$ (Standard) or
	6: 6pF		30: $\pm$ 30ppm	A6: -40°C to 85°C	Please specify
	10: 10pF				

### ELECTRICAL CHARACTERISTICS

PARAMETERS	SYMBOL	SPECIFICATION
Frequency Range	Fo	32.768KHz
Operating Temperature	To	- 40°C to + 85°C
Frequency Tolerance at +25°C	$\Delta$ f/F	$\pm$ 20 ppm (Standard) or specify
Temperature Coefficient	K	-0.04 ppm/°C 2 max.
Equivalent Series Resistance	R1	40 K $\Omega$ max.
Quality Factor	Q	60000 typical
Shunt Capacitance	C0	1.5pF Typical
Load Capacitance	CL	12.5pf (Standard)
Drive Level	DL	1 $\mu$ W max.
Aging at 25°C	$\Delta$ f/F	$\pm$ 5ppm max.(first year)
Insulation Resistance		500M $\Omega$ min at 100Vdc

### OUTLINE DRAWING: mm

