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AF8038 8x3.8mm KHz SMD CRYSTAL

8.0 x 3.8 x 2.5 mm



APPLICATIONS:

Real Time Clock
 Measuring Instruments
 Communication Applications

FEATURES:

Standard 32.768KHz
 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

AF 8038- 32.768K	—
	Load Capacitance		Freq. Tolerance	Operating Temperature	Equivalent Series Resistance
	12.5 : 12.5pF		20: ± 20ppm	A3: -20°C to 70°C	50 KΩ(Standard) or Please specify
	6: 6pF		30: ± 30ppm	A6: -40°C to 85°C	

ELECTRICAL CHARACTERISTICS

PARAMETERS	SYMBOL	SPECIFICATION
Frequency Range	Fo	32.768KHz , 30KHz~ 100KHz
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	50 KΩ max.
Quality Factor	Q	80000 typical
Shunt Capacitance	C0	1.5pF typical
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

