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AF308 8x3mm KHz THRU-HOLE CRYSTAL

8.0 x Φ 3.0 mm



APPLICATIONS:

Real Time Clock
 Measuring Equipment

FEATURES:

Standard 32.768KHz
 Watch Frequency
 Low Cost for Consumer Applications

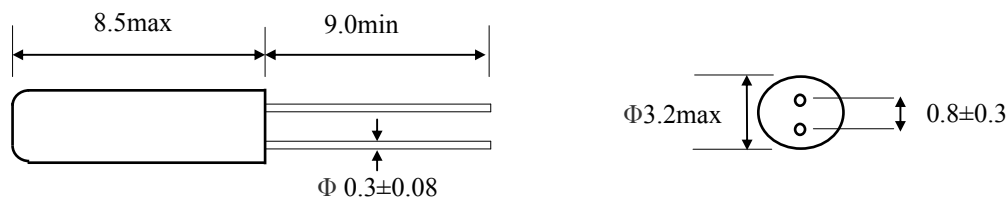
PART NUMBERING GUIDE

AF308 - 32.768K	—
	Load Capacitance		Freq. Tolerance	Operating Temperature	Equivalent Series Resistance
	12.5 : 12.5pF		20: \pm 20ppm	A3: -20°C to 70°C	35 K Ω (Standard) or
	6: 6pF		30: \pm 30ppm	A6: -40°C to 85°C	Please specify

ELECTRICAL CHARACTERISTICS

PARAMETERS	SYMBOL	SPECIFICATION
Frequency Range	Fo	32.768KHz/ 30KHz~ 100KHz
Operating Temperature	To	- 20°C to + 70°C or - 40°C to + 85°C
Frequency Tolerance at +25°C	Δ f/F	\pm 20 ppm (Standard) or specify
Temperature Coefficient	K	-0.04 ppm/°C 2 max.
Equivalent Series Resistance	R1	35 K Ω max.
Quality Factor	Q	65000 typical
Shunt Capacitance	C0	1.8pF Typical
Load Capacitance	CL	12.5pf (Standard), or specify
Drive Level	DL	1 μ W max.
Aging at 25°C	Δ f/F	\pm 5ppm max.(first year)
Insulation Resistance		500M Ω min at 100Vdc
Packing		500pcs/bag

OUTLINE DRAWING: mm



RECOMMENDED SOLDERING CONDITION

- (1)For hand soldering, maximum soldering gun temperature is 380°C, Time: 3 seconds max.
- (2)For wave/dip soldering, maximum temperature should not be exceeded 235°C, 10 seconds max.
- (3)Please do not apply heat to the body of crystal unit. It would damage and deteriorate the characteristics of the crystal unit.