

Crystal resonancer

7R 2.0*1.2mm Tuning Fork atch Crystal 32.768KHz



Approved by:
Checked by:
Issued by:

SPECIFICATION

P/N: KSE-7R32768KDY2400A3

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FEATURE

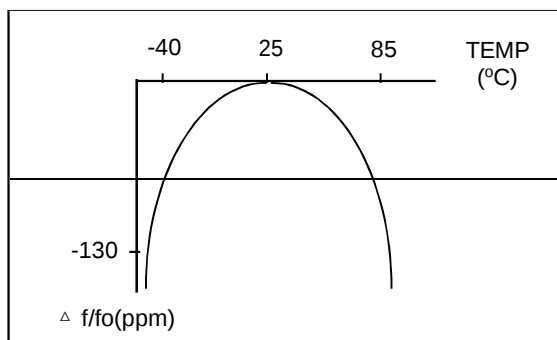
- 2 pads surface mount package.
- High reliable environmental performance.
- RoHS compliant /Pb Free.
- RTC applications

ELECTRICAL SPECIFICATIONS

			Electrical Spec.				
	Parameters	SYM	MIN	TY PE	MAX	UNITS	Notes
1	Nominal Frequency	F0	32.768			KHz	-
2	Frequency Tolerance	-	± 20			ppm	at 25 °C
3	Driver Level	DL	-	0.1	0.5	uW	-
4	Load Capacitance	CL	12.5			pF	-
5	Series Resistance	-	-	-	90	KΩ	-
6	Peak Temperature (Frequency)	-	20	25	30	°C	at 25 °C ±5°C
7	Frequency-Temperaturecoefficient	-	-	-	-0.04	ppm/°C^2	-
8	Operating Temperature	-	-40	~	85	°C	-
9	Storage Temperature	-	-55	~	125	°C	-
10	Shunt Capacitance	C0	0.7		1.3	pF	-
11	Motional Capacitance	C1	3		5	fF	-
12	Insulation Resistance	-	500	-	-	MΩ	at DC 100V±15V
13	Aging	-	±3			ppm	1st Year

- dF/F_0 : Frequency Deviation Refer to Center Frequency
- dF/F_{25} : Frequency Deviation Refer to 25 °C Frequency

Frequency VS Temperature Curve



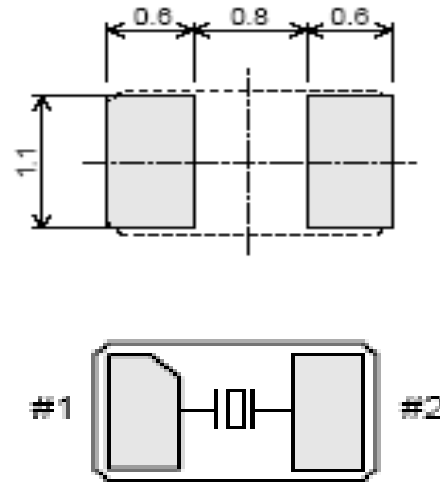
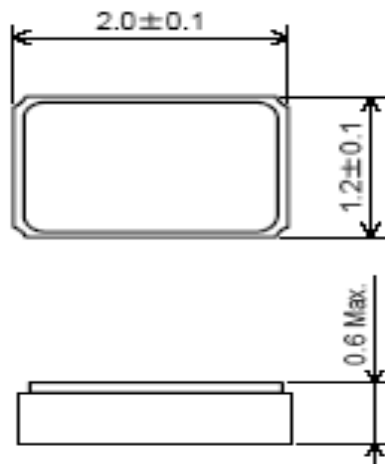
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DIMENSIONS (Unit: mm)

RECOMMENDED SOLDER PAD



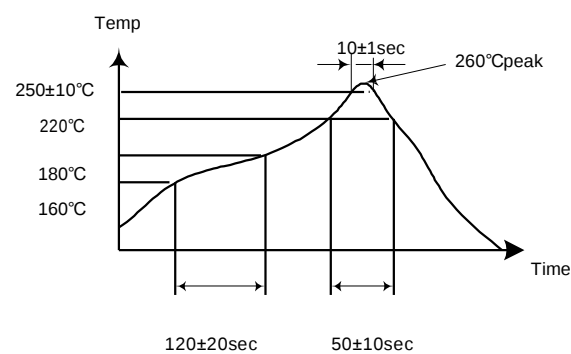
Marking:

TA***

Recommended Reflow portfolio

Total time : 200 sec. Max.

Solder melting point : 220°C

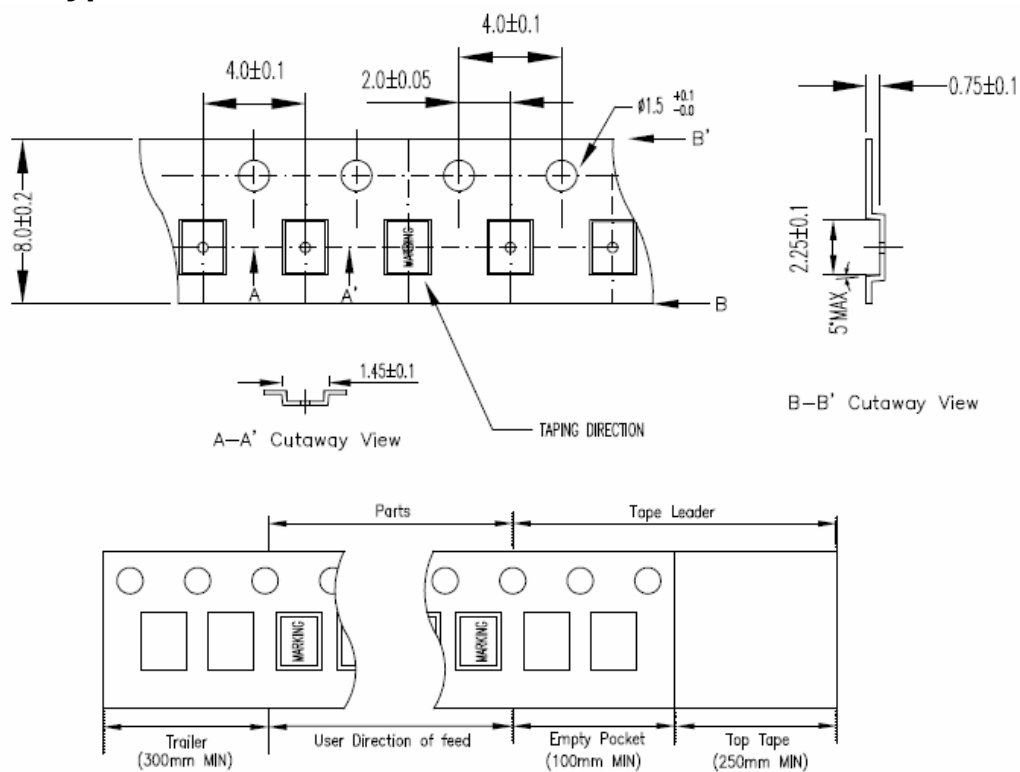


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Carrier Type



REEL: 3000 pcs

