

QUARTZ CRYSTAL RESONATOR

CS8B Series (SMD TYPE)

Features

- Excellent frequency aging stability
- High shock resistance
- Metal welded package
- RoHS Compliant / Pb Free



Specifications

Frequency Range	F_o	32.768Khz
Frequency Tolerance	$\Delta f/f_o$	± 20 PPM, REF TO 25°C
Temperature Coefficient	$\Delta f/f_o$	-0.034 ± 0.006 ppm/(°C) ²
Turnover temperature	T_m	25±5°C
Operating Temperature Range	T_{OPR}	-40°C to 85°C
Storage Temperature Range	T_{STG}	-55°C to 125°C
Quality factor		60,000TYP
Series resistance	R_1	50 KΩ, REF TO 25°C
Shunt Capacitance	C_o	1.8PF TYP
Motional Capacitance	C_1	0.0030TYP
Load Capacitance	C_L	12.5PF
Insulator Resistance	IR	500 MΩ, DC100V±15V
Drive Level	DL	1μW
Capacitance ratio	r	450TYP
Aging	$\Delta f/f_o$	±5PPM at 25°C±3°C
Sealing		1×10^{-2} uPa·m ³ /s MAX
Shock resistance		±5PPM MAX Drop test of 3 times on hard board from 75cm height or shock test of 3000G×0.3ms×1/2 sin×3 directions

How to order

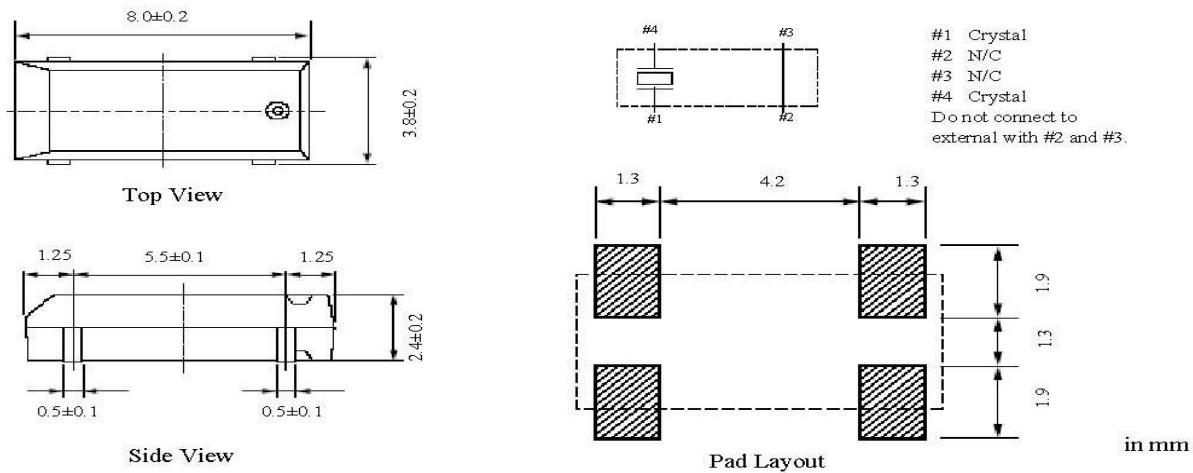
CS8B	32.768K	1	20	R
Series	Frequency	Operating Temp.	Load capacitance	Package
CS8B	32.768Khz	1= -10°C~+60°C 2= -20°C~+70°C 3= -40°C~+85°C	16=16pF 20=20pF 30=30pF 32=32pF or specify	B = Bulk R = Tape Reel

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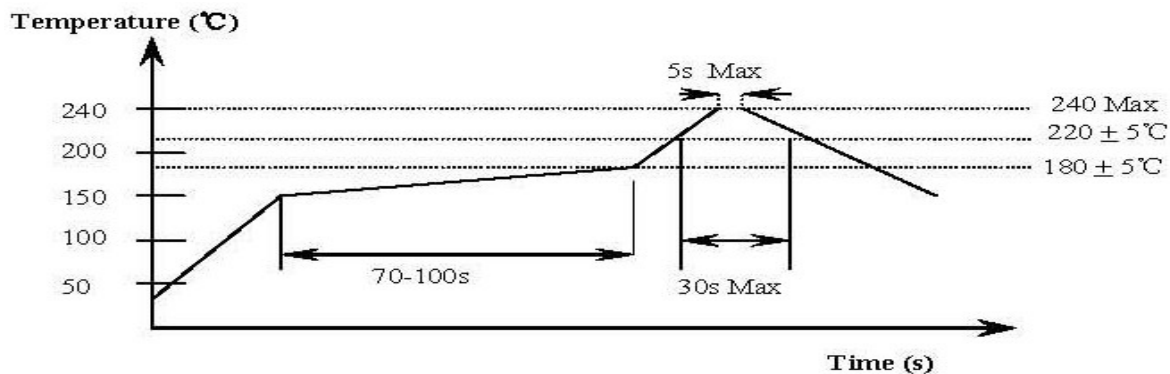
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Dimensions (mm)

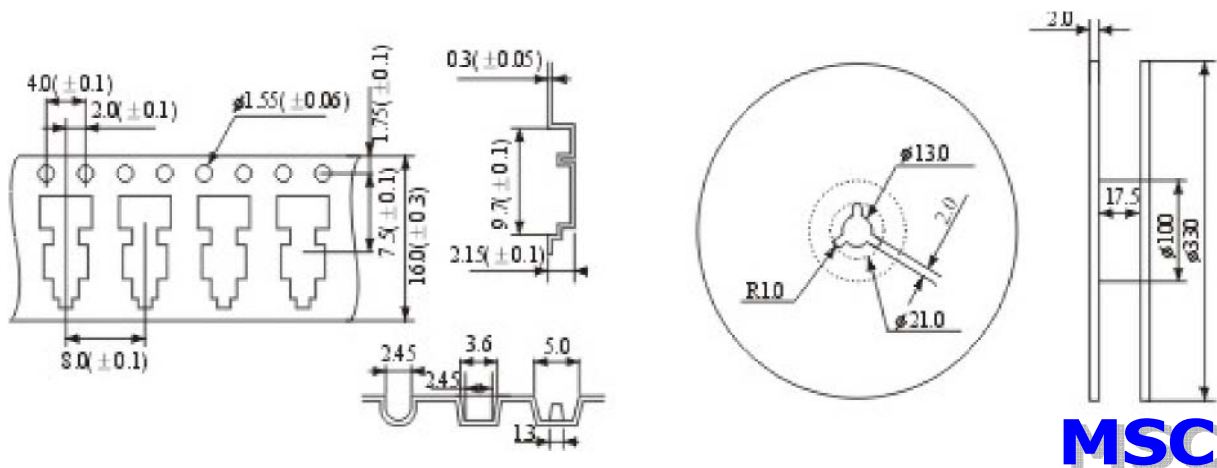


© Notice: Don't connect #2 and #3 to external device.

Reflow Condition



Taping Specification (mm)



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Remark: Specifications subject to change without prior notice. Please confirm with our sales engineer.