

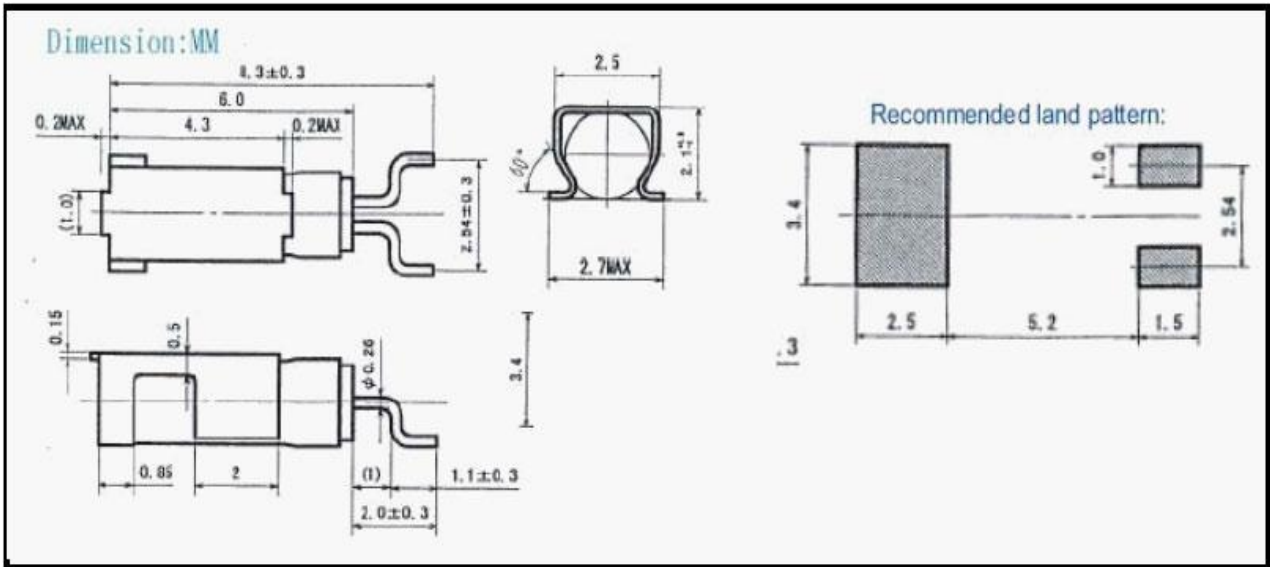
SPECIFICATION OF CRYSTAL UNIT

1. RANGE:

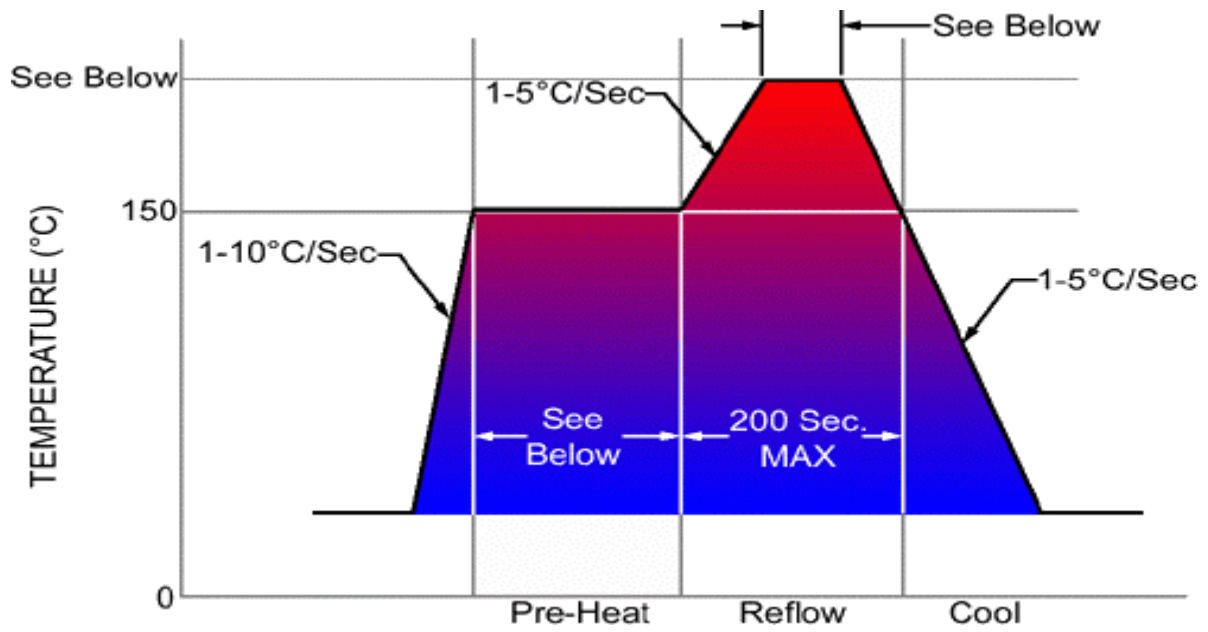
This specification shall cover the characteristics of crystal unit with Strong's P/N: STF206FA-32.768-12.5-20

Parameter	Symb	Value	Condition
Frequency Range	F ₀	32.768Khz	
Frequency Tolerance	$\Delta f/f_0$	±20PPM	REF TO 25 °C
Temperature Coefficient	$\Delta f/f_0$	-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		70,000TYP	
Series resistance	R ₁	35 KΩ	REF TO 25 °C
Shunt Capacitance	C ₀	1.35PF TYP	0.9~2.0PF
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	$\Delta f/f_0$	±3PPM	at 25 °C±3 °C

2. DIMENSION Unit:mm



3. Reflow solder



Model	Pre-heating time	Reflow Temperature	Reflow time
SMD Tuning fork 01(lead free)	60-120 Seconds	230°C Max	10 Seconds Max

4. Packing

