

Static sensitive device

**Current part - Recommended for new designs**

Frequency Stability Options							
Operating Temperature Range		Frequency Stability (PPM)					
		±15	±20	±25	±30	±50	±100
Standard	-0°C to +70°C	X	X	AS	X	BS	CS
Industrial	-30°C to +85°C	X	X	AI	X	BI	CI

Marking & Specification Code Format				
Type	Voltage Code	OTR/Stability	Frequency	WWYY
SW431	See right panel	See Above	ie 25.000	1608

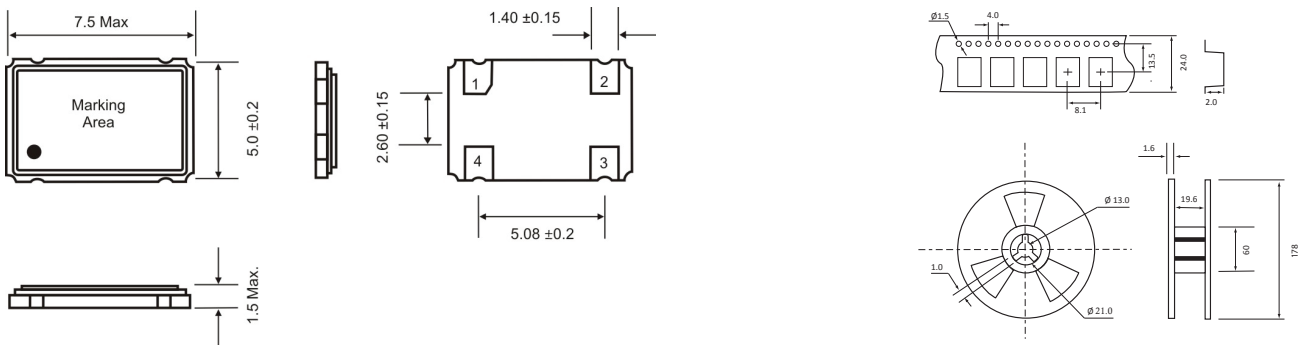
Operating Conditions	
Storage Temp	-55°C to +125°C

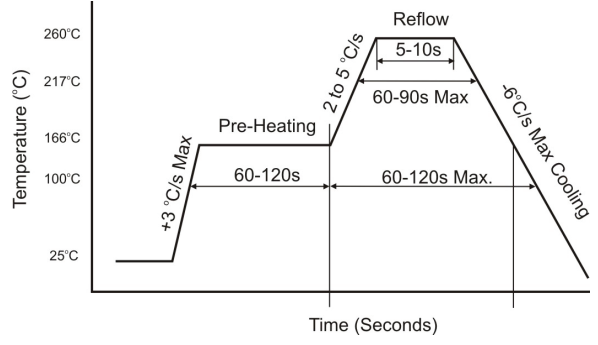
Option Codes	
Supply Voltage	Option Code
+5.0V DC	0
+3.3V DC	3
+2.8V DC	28

Electrical Characteristics Ta = +25°C, <small>Note</small> Inclusive of V <sub>DD</sub> ±10%, Load Change ±10%, Ageing, Shock & Vibration		
Parameter	Condition	Value
Input Current	+5.0V DC	1.3mA Max.
	+3.3V DC	1.1mA Max.
	+2.8V DC	1.0mA Max.
Frequency Stability	All Conditions <small>(See Note)</small>	See Options Above
Output Wave Form		True Sinewave
Output Level		1.0V p-p Typical
Output Load		10KΩ // 10pF Load
Harmonics		< -25dBc (Frequency Dependent)
Start Up Time		2ms Typical
Sub-Harmonics		None
Ageing		±5ppm/year Max.
Reflow Solder Condition		260°C 10 seconds Max.

**Dimensions (mm)** **1,000pcs/Reel**



**Reflow Solder Profile (260°C)** **Pin Connections**



Pad #	Connection	Enable/Disable Function	
#1	E/D	Pin 1 Input	Pin 8 Output
#2	Ground	Open	Enable O/P
#3	Output	V <sub>IH</sub> ≥ 2.0V DC	Enable O/P
#4	V <sub>CC</sub>	V <sub>IH</sub> < 0.8V DC	Disable O/P