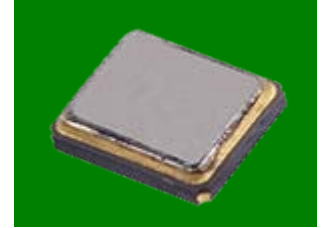


Microprocessor Crystal Unit 2.5 x 2.0mm Surface Mount Package



Features

- Seam Seal
- Excellent Solderability
- High Frequency Stability
- Excellent Thermal Hysteresis
- Excellent Vibration Resistance & Shock Resistance
- RoHS Compliant



Electrical Specifications

Frequency Range		16.000 to 50.000	MHz
Mode of Oscillation	Fundamental	16.000 to 50.000	
Frequency Tolerance at 25°C	Standard	±30	PPM Max (Note 1)
	Optional	± 25 to ±10	
Frequency Stability over Temperature Range	Standard	±50	
	Optional	±30 to ±10	
Operating Temperature Range	Standard	-10 to +70	°C
	Extended	-40 to +85	
Storage Temperature Range		-55 to +125	
Aging		±3	PPM Max/Year
Load Capacitance		7 to 32 or Series Resonance	pF
Shunt Capacitance		5.0	
Equivalent Ser Resistance (ESR)		See ESR Table	Ohms
Drive Level		100	uW Typ

Frequency Range vs. ESR Values

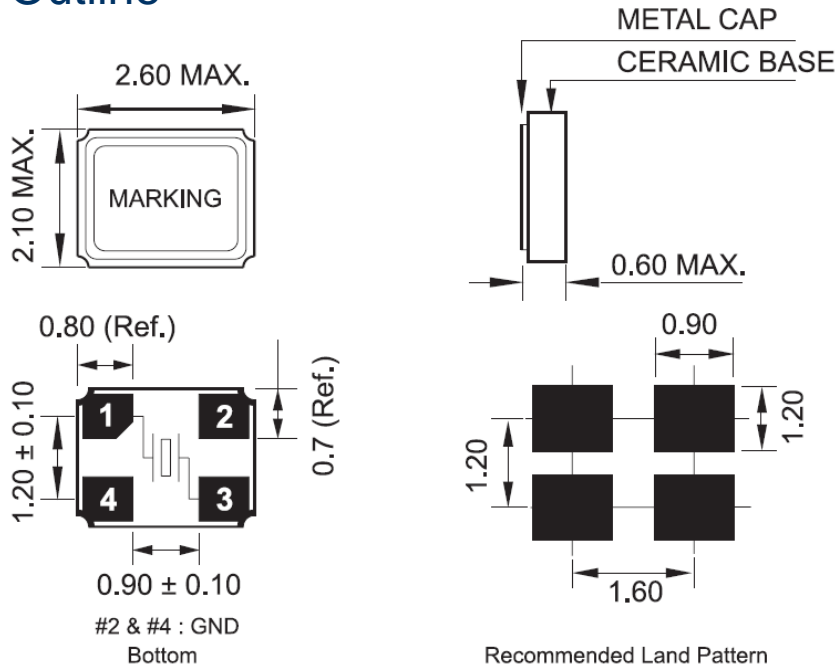
Frequency Range in MHz	ESR Ohms Max	Mode of Operation
12.000 to 29.999	100	Fundamental
30.000 to 50.000	70	Fundamental

Part Numbering System

Type	Frequency	Load Capacitance	Tolerance/ Stability(*1)	Extended Temperature(*1)	Tape & Reel
WSC25	in MHz	7 to 32 for Parallel or S for Series	(PPM/PPM) e.g. 1020, 1010	EXT	TR

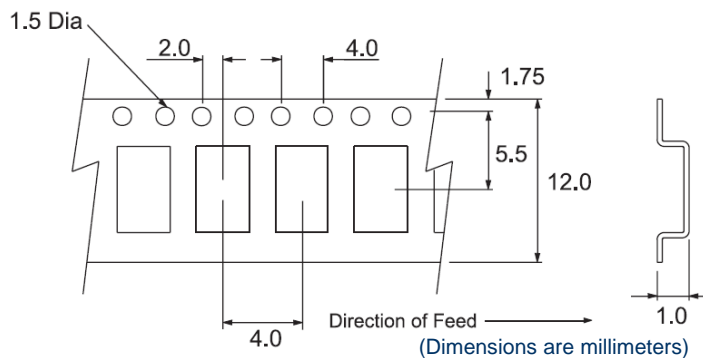
Examples : WSC25-22.000-18-TR or WSC25-50.000-S-1010-EXT-TR

Mechanical Outline

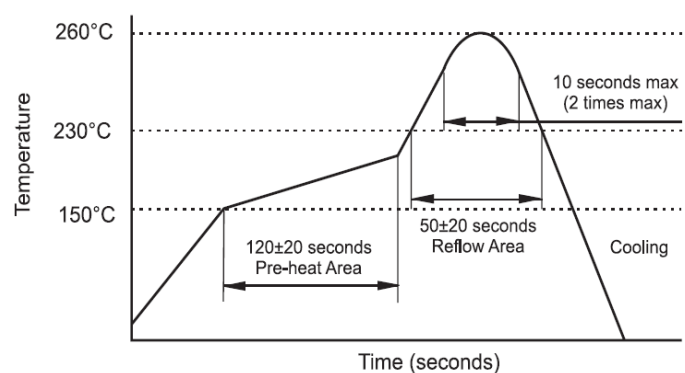


Package is Seam Sealed Ceramic-metal

Carrier Tape Dimensions



Solder Reflow Characteristics



Notes:

- 1 - Frequency Tolerance and the stability options are limited due to the physical size
- 2 - Standard Standard Temperature Range does not need to be included in Part Number description.
- 2 - Product is shipped in Tape and Reel configuration. Each reel contains 1000 pieces.
- 3 - Specification subject to change without notice.