

SMD TYPE CERAMIC CRYSTAL UNIT



NTR Series 1.6 x 1.2



Application :

- GPS
- Mobile Communication

Features :

- Crystal with Thermistor
- High frequency stability
- RoHS compliant / Pb free



Electrical Specification :

Model	NTR
1. Frequency	
Frequency Range	19.2 ~ 76.8MHz
Frequency Tolerance at 25°C±2°C	±10 ~ ±50 ppm (TYP.)
Frequency Stability Over Operating Temp Range	±10 ~ ±50 ppm (TYP.)
2. Environmental Condition	
Operating Temp Range	-10°C~ +60°C, -20°C~ +70°C or specify
Storage Temp Range	-40°C ~ +125°C
Aging Rate	±3ppm/year
3. Electrical Specifications	
Load Capacitance	7pF, 8pF or specify
Drive Level	1uW ~ 100uW or specify
4. Thermistor	
Resistance	100KΩ ±1%
B-Constant	4250K ±1%

* Above specification subject to change without prior notice, please consult our sales representative for more information*

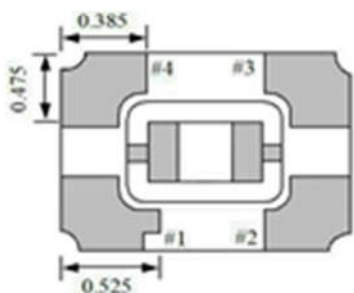
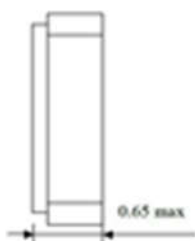
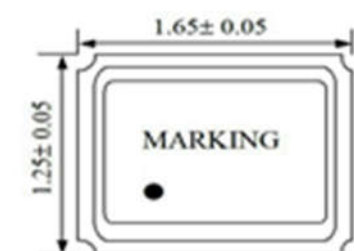
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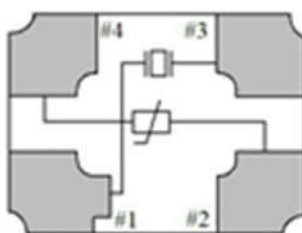
Equivalent Series Resistance (ESR) V.S. Frequency:

Frequency (MHz)	Oscillation Mode	NTR
19.2 MHz ~ 76.8 MHz	Fundamental	80Ω

Dimensions (mm) :



(TOP VIEW)

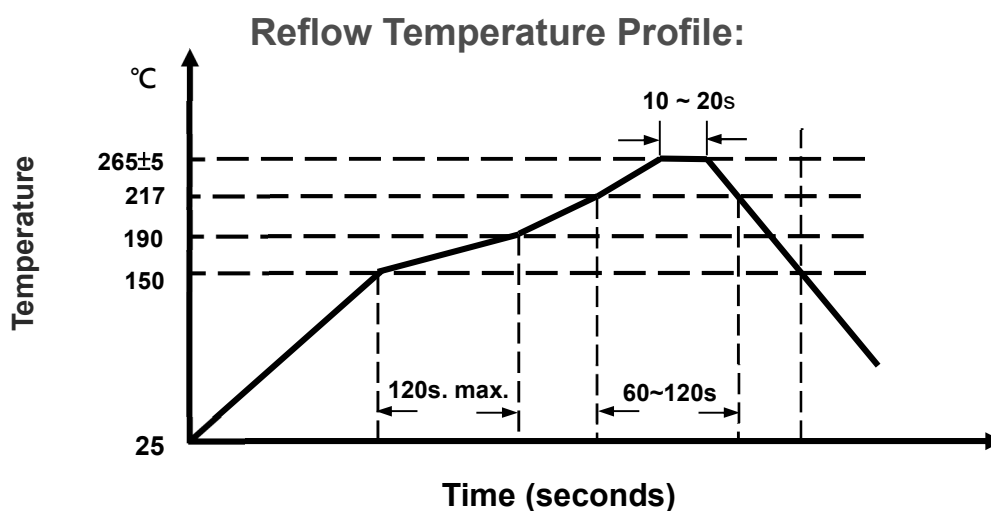


(Recommended Land Pattern)

Pin Connect

#4 Sensor	#3 Crystal
#1 Crystal	#2 GND

Reflow Temperature Profile :



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