

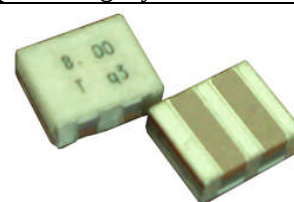
Ceramic Resonators

2012T

Features

◆RoHS Compliant

◆Ceramic SMD type



Electrical Specifications

Item	Specifications	
Type	2012T	
Center Frequency Range	20.0MHz to 48.0MHz	
Series Resistance Max.	30Ω	20.0MHz to 29.9MHz
	40Ω	30.0MHz to 39.9MHz
	50Ω	40.0MHz to 48.0MHz
Frequency Stability	±0.1%(Standard) at 25℃±3℃	
Stability vs. Temperature	±0.2%	
Operating Temperature	-25℃ to +85℃ typical, -40℃ to +125℃ available	
Storage Temperature	-35℃ to +90℃ typical, -50℃ to +135℃ available	
Aging Over 10 Years	±0.3% Max.	

Ordering Information

C	R	Type	XX.XX	M	Freq. Stability at 25℃	Operating Temp.	Stability Vs.Temp.	Option
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C: Ceramic
R: Resonator

21T: 2012T

Center frequency
20.0 to 48.0MHz

M:
MHz

1: ±0.1%
3: ±0.3%

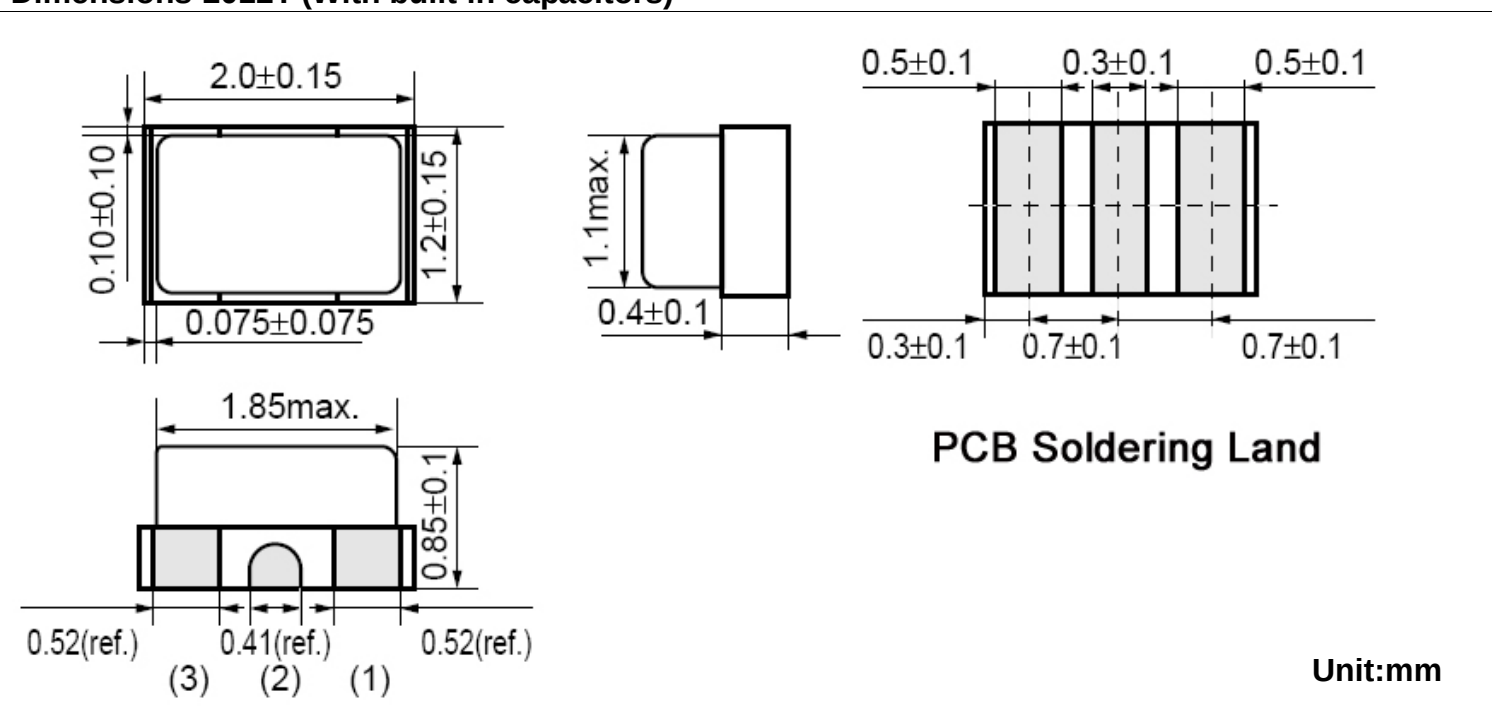
C: -25 to +85℃
D: -40 to +125℃

2: ±0.2%
4: ±0.4%
5: ±0.5%

F: Lead Free
T: T&R
Blank: Bulk

Example: CR21T48.00M1C2T (Ceramic, 2012T, 48.00MHz, built-in capacitors, ±0.1%, -25 to +85deg. ±0.2%, T&R)

Dimensions 2012T (With built-in capacitors)

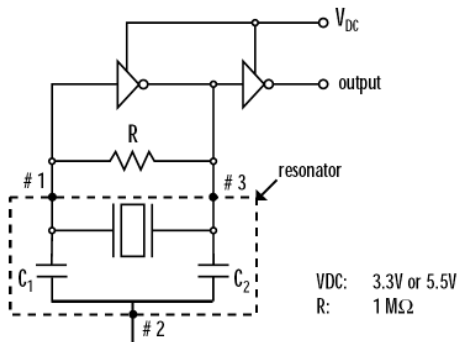


Ceramic Resonators

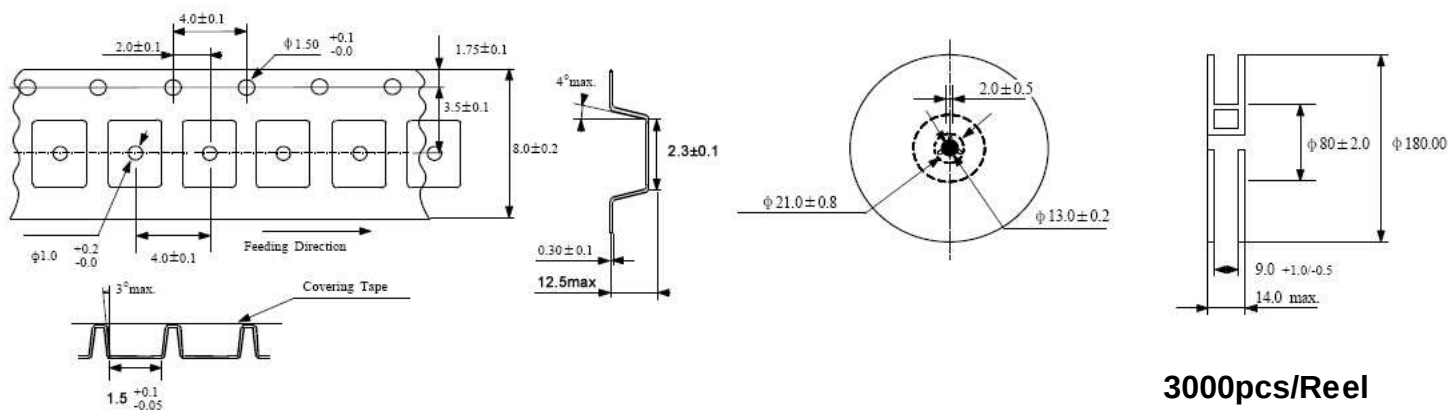
2012T

Test Circuit 2012T

with built-in capacitors



Taping Specification



Reflow Soldering Profile

