



DATASHEET

of SAW Devices

SAW Resonator

Part Number: SXR304M250AC20

Center Frequency: 304.250MHz

Package: CSP2016

- Package Dimensions
- Testing Environment
- Electrical Characteristics
- Frequency Characteristics

SAW Components	SAW Resonator
Part Number	SXR304M250AC20

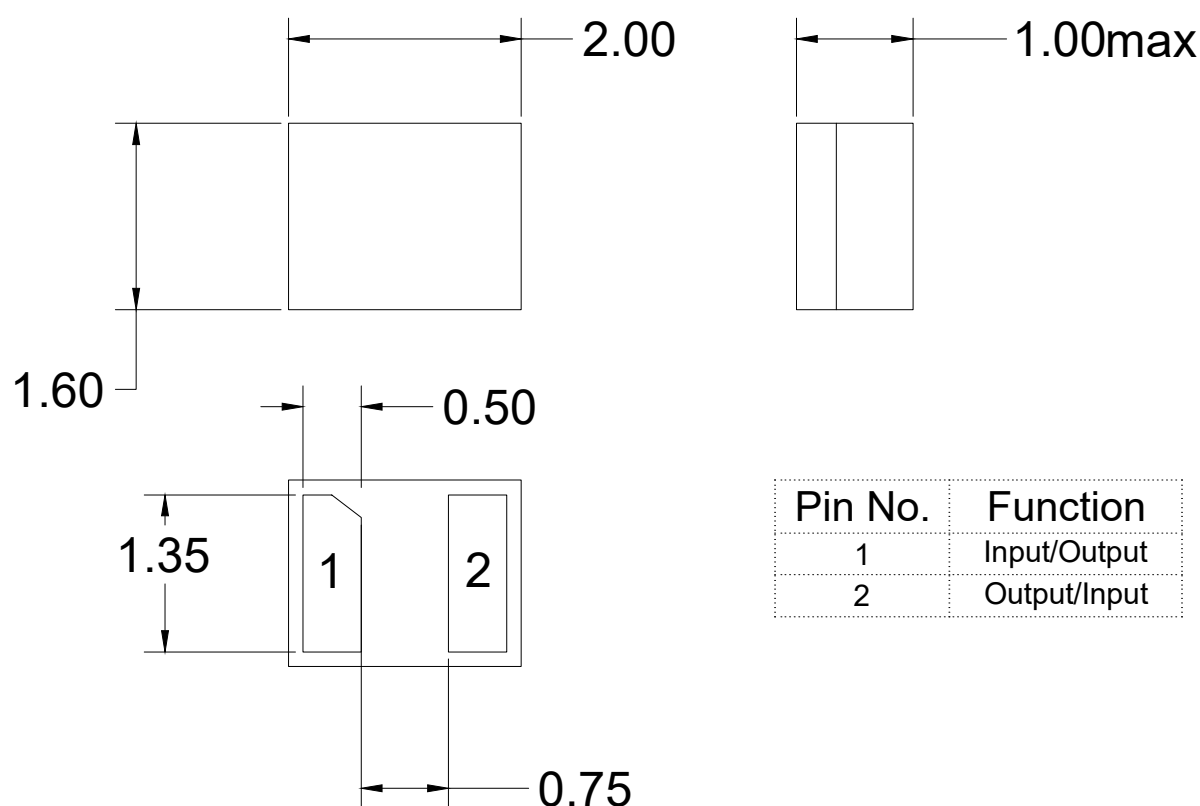
Revision Record

Revision Number	Date	Description
SXR304M250AC20_RevA/0	2023-07-11	Revision A/0

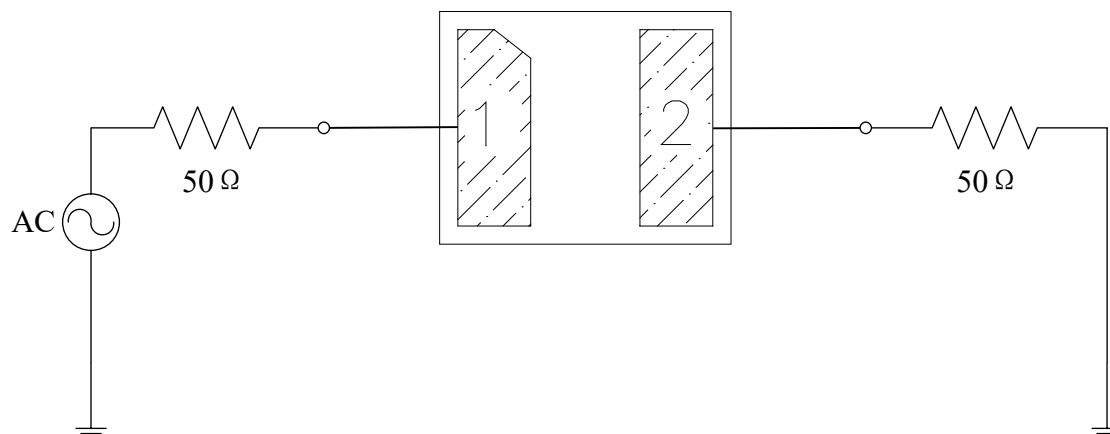
1. Features

- 1-port SAW resonator
- Ceramic package for Surface Mounted Technology (SMT)
- Lead-free production and RoHS Compliant
- Electrostatic Sensitive Device(ESD)
- Moisture Sensitivity Level 2

2. Package Dimension(Unit: mm)



3. Measurement Circuit



4. Maximum Ratings

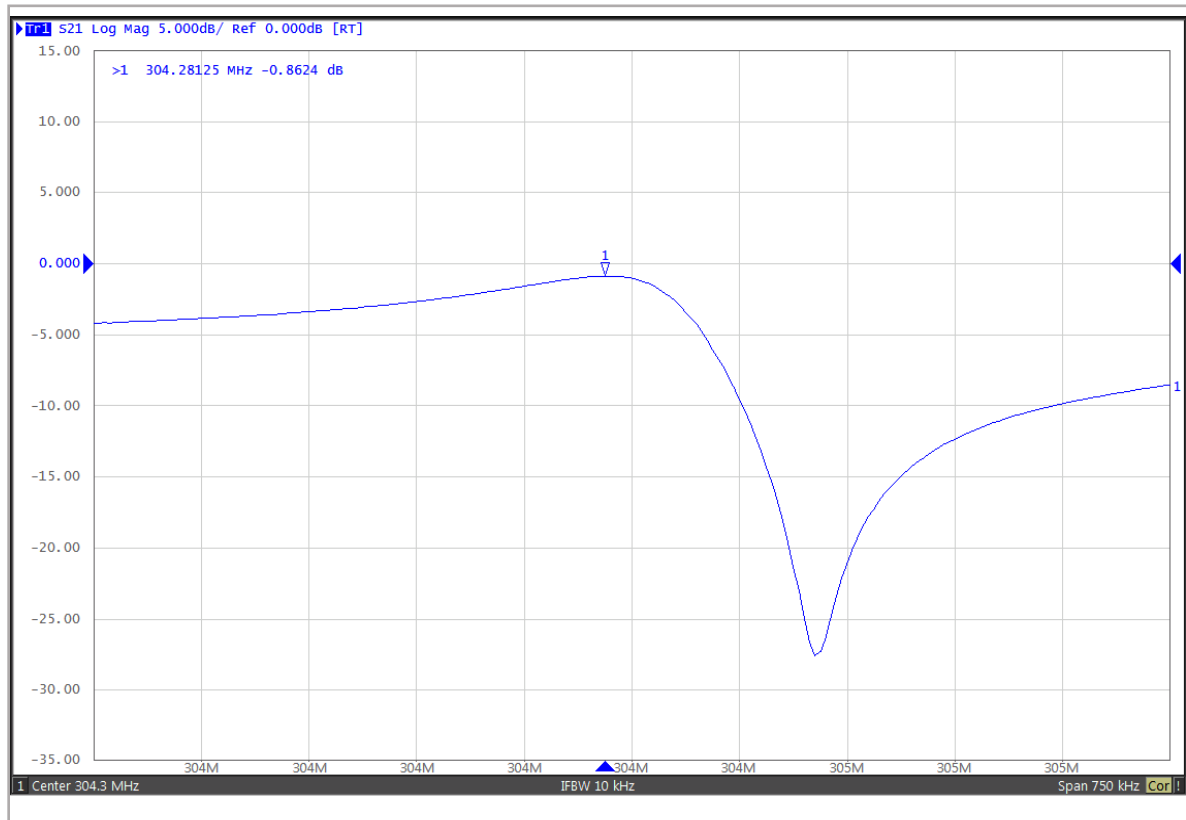
Rating		Value	Unit
RF Input Power	P	10	dBm
DC Voltage	V _{DC}	10	V
Operating Temperature Range	T _A	-40 ~ +85	°C
Storage Temperature Range	T _{stg}	-45 ~ +85	°C
ESD Voltage(MM)	V _{MM}	50	V
ESD Voltage(HBM)	V _{HBM}	175	V

5. Electrical Specification

Item	Frequency Range	Characteristics			
		min.	typ. ¹	max.	Unit
Center Frequency	Absolute Frequency	304.175	304.250	304.325	MHz
	Tolerance from 304.250MHz	-	±75	-	kHz
Insertion Loss	Min.	-	1.5	2.2	dB
Anti-resonance	-	24	25	-	dB

1. Typical value at 25±2deg.C

6. Typical Frequency Characteristics



SAW Components

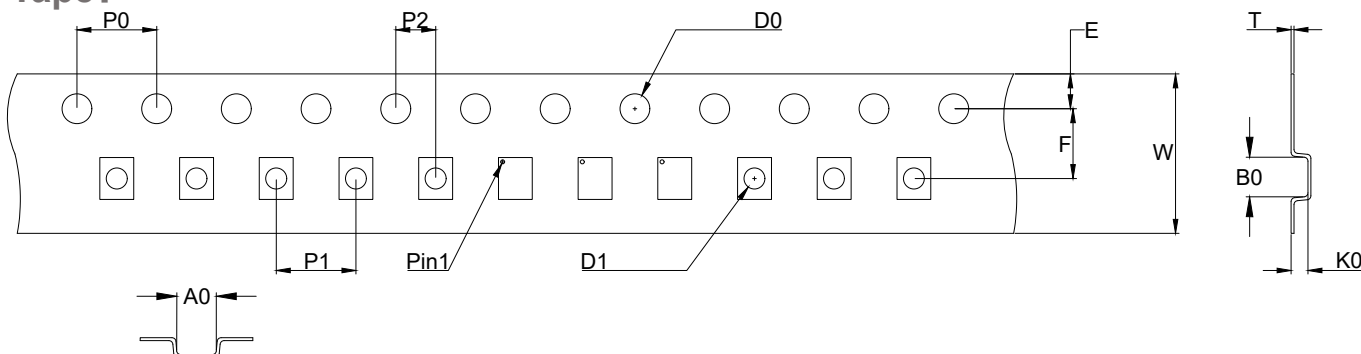
SAW Resonator

Part Number

SXR304M250AC20

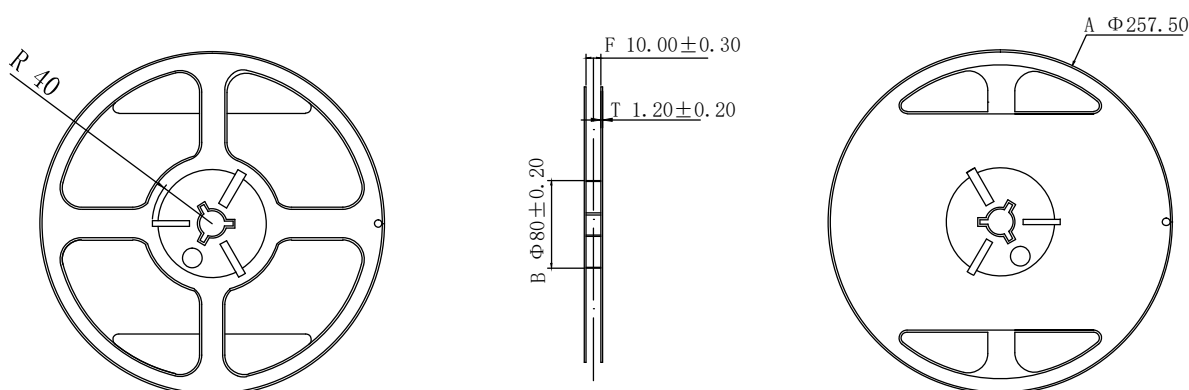
7. Packing Information

Tape:



Size	P0	P1	P2	D0	D1	E	F	W	A0	B0	K0	T
Value	4.00	4.00	2.00	Φ1.55	Φ1.05	1.75	3.50	8.00	1.95	2.25	0.90	0.20
Tolerance	±0.10	±0.10	±0.10	±0.05	±0.05	±0.10	±0.10	±0.20	±0.05	±0.05	-0.05	±0.05

Reel: 10000pcs/Reel(Standard Size)



8. Recommended Soldering Profile

