



DATASHEET

of SAW Devices

SAW Resonator

Part Number: SXR299M000BTOE

Center Frequency: 299.000MHz

Package: DIP-TO39

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

SAW Components	SAW Resonator
Part Number	SXR299M000BTOE

Revision Record

Revision Number	Date	Description
SXR299M000BTOE_Rev1.0	2023-02-10	Revision 1.0

SAW Components

SAW Resonator

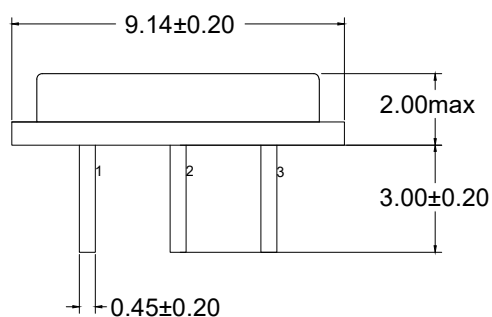
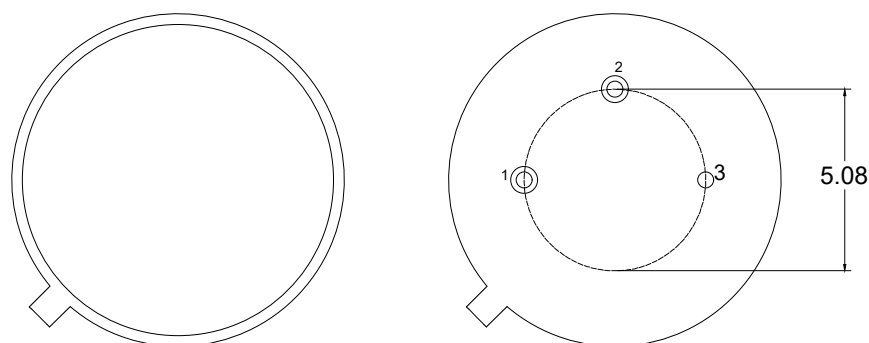
Part Number

SXR299M000BTOE

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)



Pin No.	Function
1	Input
2	Output
3	Ground

Pin Configuration	
1	Input
2	Output
3	Ground

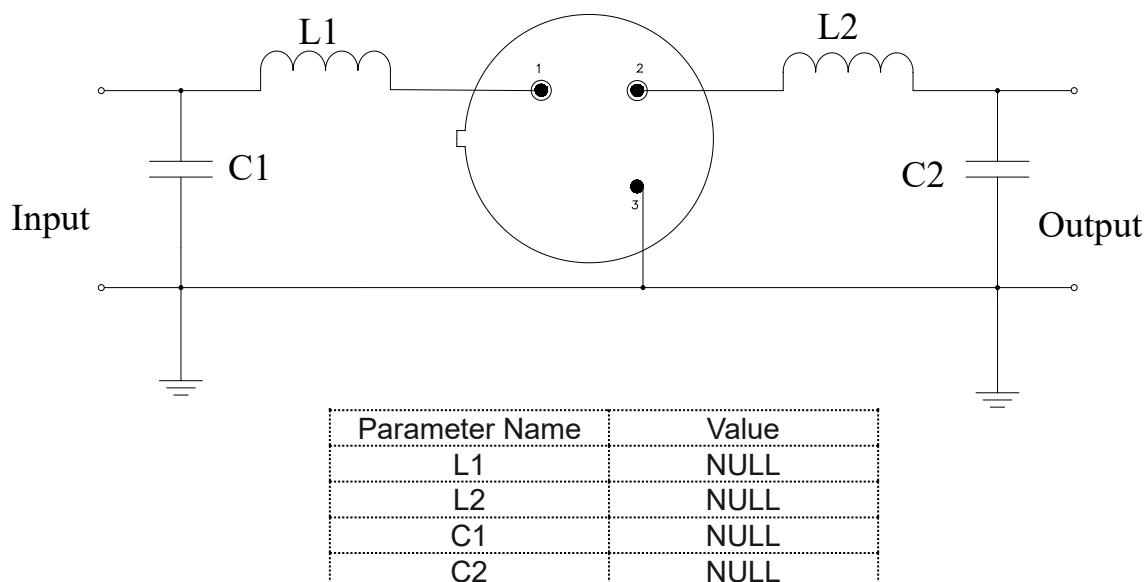
SAW Components

SAW Resonator

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2. Measurement Circuit



3. 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

4. Electrical Specification

Item	Frequency Range	Characteristics			
		min.	typ. ¹	max.	Unit
Center Frequency	Absolute Frequency	298.925	299.0	299.075	MHz
	Tolerance from 299.000MHz	-	±75	-	kHz
Insertion Loss	Min.	-	1.5	2.2	dB
Anti-resonance	-	24	25	-	dB

1. Typical value at 25±2deg.C

5. Typical Frequency Characteristic

