

SAW Resonator for RF Applications

SAW resonators utilize the piezoelectric effect to create and control acoustic waves on a substrate. These resonators are used in radio frequency (RF) applications such as filters and oscillators.



ADDITIONAL IMAGES



Product Overview

High-Performance SAW Resonators

This series of SAW filters is engineered to meet global broadcast standards including NTSC, PAL, and SECAM systems. Utilizing a single-crystal piezoelectric chip with interdigital transducers, these devices provide reliable signal processing and frequency stability. They are essential components for modern wireless communication, broadcasting equipment, and electronic frequency-selective circuits.

Technical Specifications

Common Frequency Range

- 8.000 MHz
- 12.000 MHz
- 13.500 MHz
- 16.000 MHz
- 32.000 MHz
- 32.768 MHz

Technology

Surface Acoustic Wave (SAW) on single-crystal piezoelectric substrate

Typical Applications

RF Filters, Oscillators, Sensors, Broadcast Systems, Wireless Communication

Physical Characteristics

Mounting Configuration

Through-Hole • Surface-Mount

Key Features

- High-frequency operation
- Compact design
- Excellent frequency stability
- Cost-effective signal processing