

## ■ How to Determine Specifications

When ordering a SAW filter, describe the following items:

1. Electrical specifications

- (1) Nominal frequency \_\_\_\_\_ MHz
- (2) Passband width \_\_\_\_\_ dB  $\pm$  \_\_\_\_\_ MHz min.
- (3) Attenuation bandwidth \_\_\_\_\_ dB  $\pm$  \_\_\_\_\_ MHz max.  
\_\_\_\_\_ dB  $\pm$  \_\_\_\_\_ MHz max.
- (4) Ripple \_\_\_\_\_ dB max.
- (5) Minimal loss or constant loss \_\_\_\_\_ dB max.
- (6) Guaranteed attenuation  $\pm$  \_\_\_\_\_ MHz max. \_\_\_\_\_ dB min.
- (7) Terminating impedance \_\_\_\_\_  $\Omega$ // \_\_\_\_\_ pF

2. Environmental conditions

- (1) Operating temperature range \_\_\_\_\_  $^{\circ}$ C to \_\_\_\_\_  $^{\circ}$ C
- (2) Vibration Total amplitude \_\_\_\_\_ mm, Frequency \_\_\_\_\_ Hz to \_\_\_\_\_ Hz
- (3) Shock \_\_\_\_\_

3. Dimensions \_\_\_\_\_

4. Other requests, etc.

When ordering a SAW resonator, describe the following items:

1. Electric specifications

- (1) Nominal frequency \_\_\_\_\_ MHz
- (2) Frequency deviation \_\_\_\_\_ kHz min.
- (3) Attenuation bandwidth \_\_\_\_\_ dB max. or resonance Q value \_\_\_\_\_
- (4) Secondary undulation \_\_\_\_\_ dB min.

2. Environmental conditions

- (1) Operating temperature range \_\_\_\_\_  $^{\circ}$ C to \_\_\_\_\_  $^{\circ}$ C
- (2) Vibration Total amplitude \_\_\_\_\_ mm, Frequency \_\_\_\_\_ Hz to \_\_\_\_\_ Hz
- (3) Shock \_\_\_\_\_

3. Dimensions \_\_\_\_\_

4. Other requests, etc.