

## SAW Filter for RFID

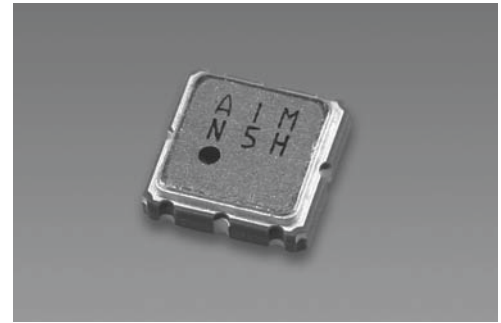
For RFID (3-MHz Band)

### Features

- A filter with excellent temperature stability.
- Compact and light.

Pb Free

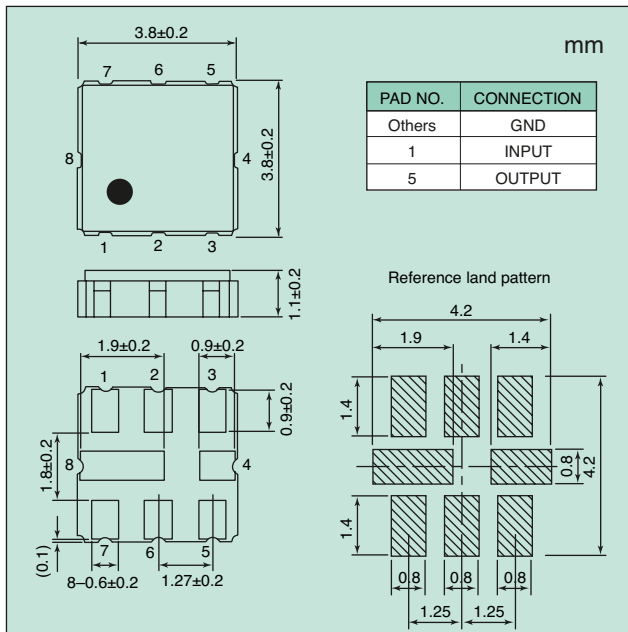
RoHS Compliant  
Directive 2002/95/EC



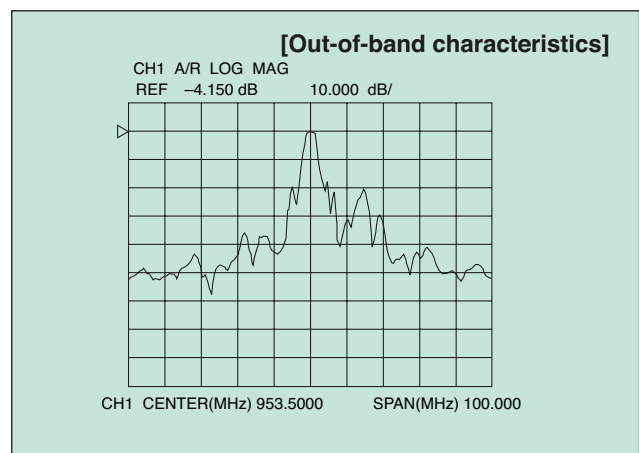
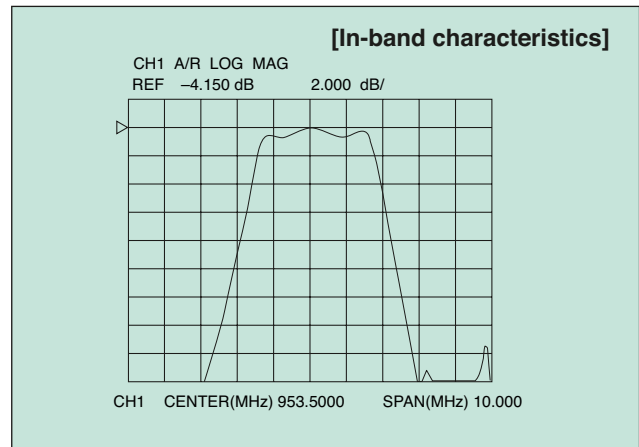
### Specifications

| Model  | WF999A0953CG                              |           |      |
|--|---|-----------|------|
| Item   | min.                                      | typ.      | max. |
| Nominal frequency : $f_0$ (MHz)                                  | –   | 953.5     | –    |
| Minimal insertion loss (dB)                                      | –   | 4.2       | 5.0  |
| 3-dB bandwidth (MHz)   | $\pm 1$                                   | $\pm 1.4$ | –    |
| Guaranteed attenuation (dB)<br>(from the minimal insertion loss) | $f_0-50\text{MHz}$ to $f_0-8\text{MHz}$   | 25        | –    |
|  | $f_0-8\text{MHz}$ to $f_0-3.5\text{MHz}$  | 10        | –    |
|  | $f_0+3.5\text{MHz}$ to $f_0+25\text{MHz}$ | 10        | –    |
|  | $f_0+25\text{MHz}$ to $f_0+50\text{Hz}$   | 30        | –    |
| Operating temperature range (°C)                                 | –30                                       | –         | 60   |
| Terminating impedance ( $\Omega$ )                               | 820//–1.3pF                               |           |      |

### Dimensions



### Characteristics



### Matching Circuit

