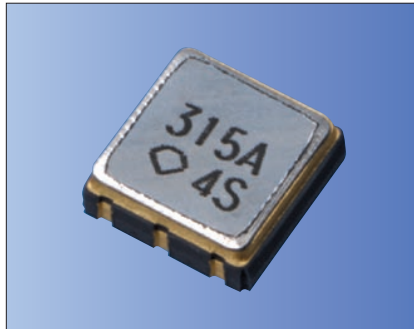


# Surface Acoustic Wave (SAW) Filters

## 300MHz Band SAW Filters for RKE

### SF3838B315M00C300A01/ SF3838B315M00B200A00



Pb Free

RoHS Compliant

### Features

- RF filter for RKE (Remote Keyless Entry)
- Miniature size and light weight
- Excellent temperature characteristics (SF3838B315M00C300A01)
- Excellent attenuation (SF3838B315M00B200A00)

### Standard Frequency

- 315MHz

### How to Order

SF 3838 B 315M00 C 300 A01  
 ① ② ③ ④ ⑤ ⑥ ⑦

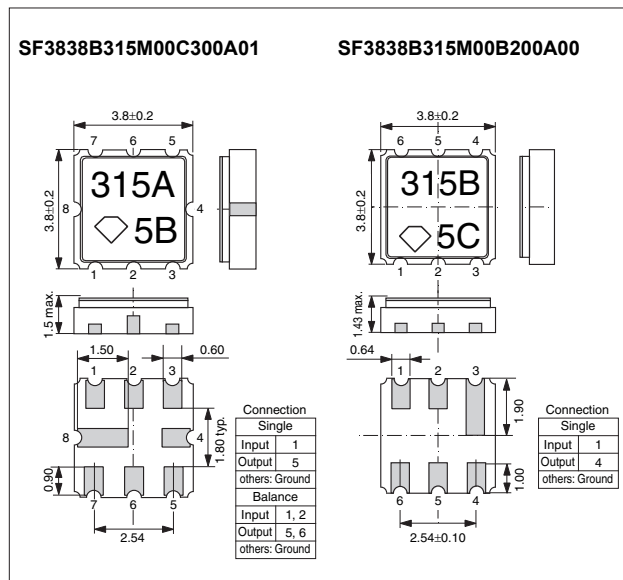
- ① Type of Product (SAW Filter)
- ② Package Size (3.8×3.8mm)
- ③ Sealing Type (Seam Weld Type)
- ④ Nominal Frequency (315.00MHz)
- ⑤ Material (Quartz Crystal)
- ⑥ Pass Bandwidth (300kHz)
- ⑦ Customer Special Model Suffix (STD)

### Specifications

Type		SF3838B315M00C300A01		SF3838B315M00C200A00	
Item	Unit	Conditions	Specifications	Conditions	Specifications
Nominal Frequency (fo)	MHz	—	315.000	—	315.000
Operating Temperature Range	°C	—	-40 to +105	—	-40 to +85
Storage Temperature Range	°C	—	-40 to +105	—	-40 to +85
Pass Bandwidth	kHz	-3dB	fo±150 min.	-3dB	fo±100 min.
Insertion Loss	dB	Minimum Loss	2.5 max.	Minimum Loss	3 max.
Guaranteed Attenuation	dB	10 to 303.5MHz	45 min.	fo±5MHz	40 min.
		303.5 to 311MHz	25 min.	fo±10.7MHz	55 min.
		311.0 to 314.3MHz	10 min.	fo±21.4MHz	60 min.
		315.7 to 325.0MHz	10 min.		
		325 to 600MHz	35 min.	—	—
600 to 1000MHz	60 min.	—	—		
Ripple	dB	—	1 max.	—	—

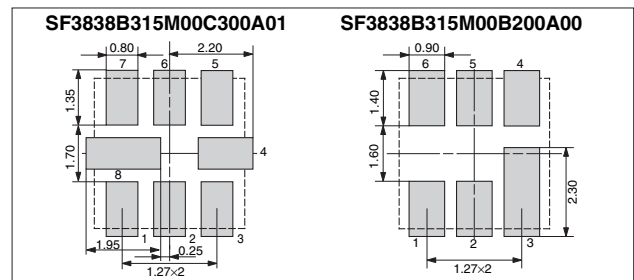
### Dimensions

(Unit: mm)



### Recommended Land Pattern

(Unit: mm)



### Test Circuit

