



Surface Acoustic Wave (SAW) Filters

400MHz Band SAW Filters for RKE

SF3838B433M92C300A01/ SF3838B433M92B200A00



RoHS Compliant

Features

- RF filter for RKE (Remote Keyless Entry)
- Miniature size and light weight
- Excellent temperature characteristics (SF3838B433M92C300A01)
- Excellent attenuation (SF3838B433M92B200A00)

Standard Frequency

- 433.92MHz

How to Order

SF 3838 B 433M92 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 (433.92MHz)
- ⑤ Material (Quartz Crystal)
- ⑥ Pass Bandwidth (300kHz)
- ⑦ Customer Special Model Suffix (STD)

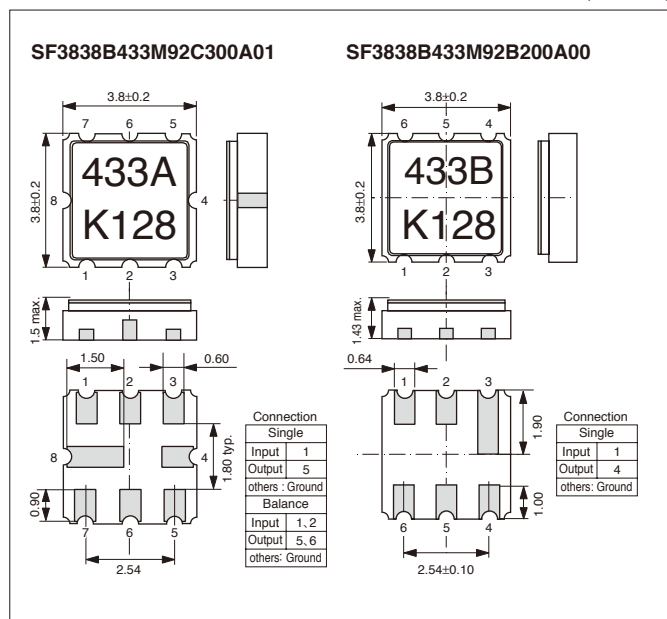
Packaging (Tape & Reel 1000 pcs./ reel)

Specifications

Type		SF3838B433M92C300A01		SF3838B433M92B200A00	
Item	Unit	Conditions	Specifications	Conditions	Specifications
Nominal Frequency (fo)	MHz	—	433.920	—	433.920
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 424MHz	45 min.	fo±5MHz	40 min.
		424 to 432MHz	25 min.	fo±10.7MHz	55 min.
		432 to 433.1MHz	15 min.	fo±21.4MHz	60 min.
		435 to 445MHz	15 min.	—	—
		445 to 800MHz	45 min.	—	—
800 to 1000MHz	60 min.	—	—		
Ripple	dB	—	1 max.	—	—

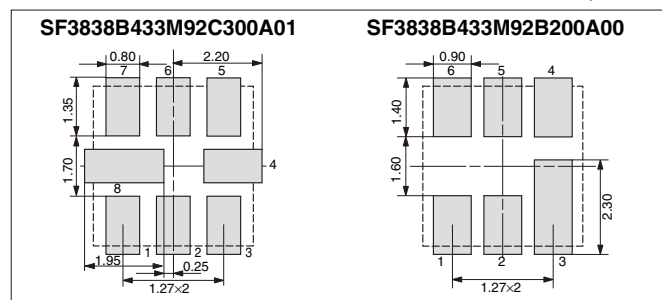
Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)



Test Circuit

