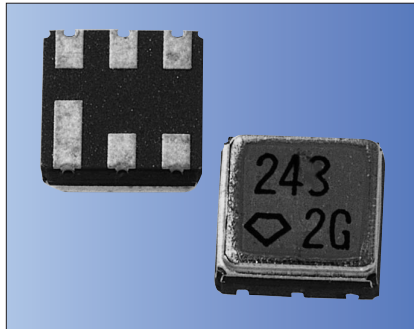


Surface Acoustic Wave (SAW) Filters

200MHz Band SAW Filters for PHS

SF3838B243M95B220A00/ SF3838B248M45B220A00



Pb Free

RoHS Compliant

Features

- IF filter for PHS
- Miniature size and light weight

Standard Frequency

- 243.95MHz
- 248.45MHz

How to Order

SF 3838 B 243M95 B 220 A00
 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 (243.95MHz)
- ⑤ Material ($\text{Li}_2\text{B}_4\text{O}_7$)
- ⑥ Pass Bandwidth (220kHz)
- ⑦ Customer Special Model Suffix (STD)

New Part Number	Old Part Number
SF3838B243M95B220A00	LSFB19-243-220K0
SF3838B248M45B220A00	LSFB19-248-220K0

Specifications

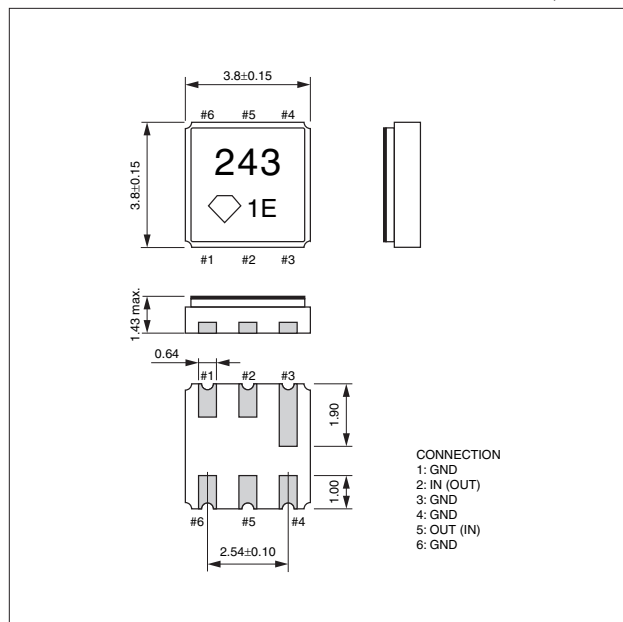
Item	Unit	Conditions	SF3838B243M95B220A00 Specifications		SF3838B248M45B220K0 Specifications	
Nominal Frequency (fo)	MHz	—	243.95		248.45	
Operating Temperature Range	°C	—	-10 to +60		-10 to +60	
Storage Temperature Range	°C	—	-35 to +85		-35 to +85	
Ripple	dB	fo±110kHz	0.5*	1.5 max.	0.5*	1.5 max.
Insertion Loss	dB	Minimum Loss	2.6*	5 max.	2.6*	5 max.
Guaranteed Attenuation	dB	fo±0.6MHz	-0.6/ 52*	25 min.	-0.6/ 55*	25 min.
			+0.6/ 34*		+0.6/ 36*	
		fo±1.2MHz	-1.2/ 47*	40 min.	-1.2/ 55*	35 min.
			+1.2/ 43*		+1.2/ 43*	
fo-21.6MHz	70*	60 min.	65*	60 min.		
Group Delay Deviation	μsec	fo±110kHz	0.5*	1.2 max.	0.3*	1.2 max.

*: Typ.

*: Typ.

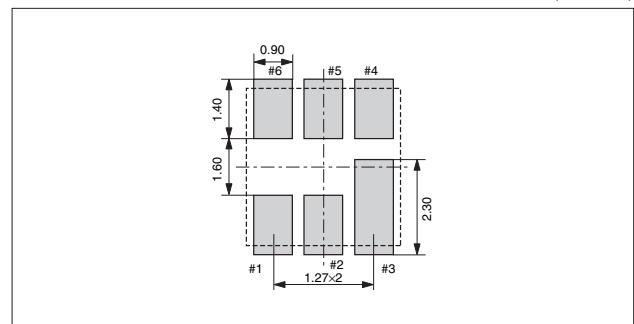
Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)



Test Circuit

