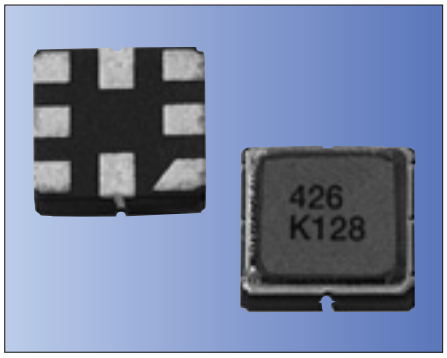
Surface Acoustic Wave (SAW) Filters
400MHz Band SAW Filters for Low Power Radio Communications

SF3535B426M54B800A00/ SF3838B426M07C080A00/ SF3535B429M55B800A00/ SF3838B429M17C080A00/ SF3535B433M60B800A00/ SF7050B469M18B01MA00



RoHS Compliant

Features

- RF filter for transmitter and receiver
- For low power radio communications
- Miniature size and light weight

Application

- Engine starter
- Transceiver
- Wireless communication

How to Order

SF 3535 B 426M54 B 800 A00
① ② ③ ④ ⑤ ⑥ ⑦

① Type of Product (SAW Filter)
② Package Size (3.5×3.5mm)
③ Sealing Type (Seam Weld Type)
④ Nominal Frequency (426.54MHz)
⑤ Material ($Li_2B_4O_7$)
⑥ Pass Bandwidth (800kHz)
⑦ Customer Special Model Suffix (STD)

Packaging: Tape & Reel
SF3535
SF3838
SF7050
} 1000 pcs./ reel

Standard Frequency

Nominal Frequency (MHz)	New Part Number	Old Part Number	Remarks
426.54	SF3535B426M54B800A00	LSFB44-426-800K0	Middle Band Width
426.075	SF3838B426M07C080A00	MSFB19-426-080K0	Ultra Narrow Band Width
429.55	SF3535B429M55B800A00	LSFB44-429-800K0	Middle Band Width
429.175	SF3838B429M17C080A00	MSFB19-429-080K0	Ultra Narrow Band Width
433.6	SF3535B433M60B800A00	LSFB44-433-800K0	—
469.1875	SF7050B469M18B01MA00	LSFB20-469-001M0	—

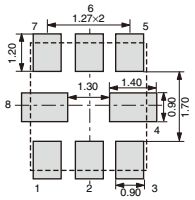
Specifications (Example)

Item	Unit	Conditions	SF3535B426M54B800A00 Specifications	
Nominal Frequency (fo)	MHz	—	426.54	
Operating Temperature Range	°C	—	−10 to +60	
Storage Temperature Range	°C	—	−30 to +70	
Ripple	dB	fo±400kHz	0.4*	1.5 max.
Insertion Loss	dB	Minimum Loss	2.5*	3.5 max.
Guaranteed Attenuation	dB	(fo−21.4) ±400kHz	60*	50 min.
Terminating Impedance	Ω	—	50 Typical	

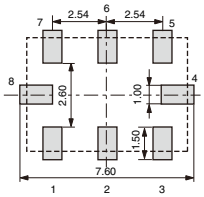
*: Typ.

Recommended Land Pattern (Unit: mm)

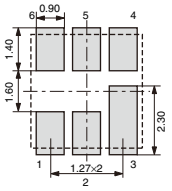
SF3535



SF7050



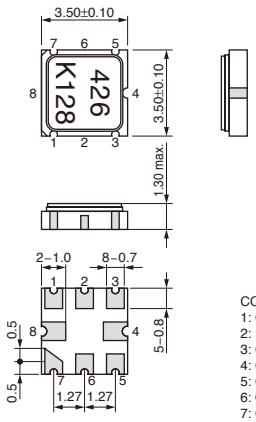
SF3838



Dimensions

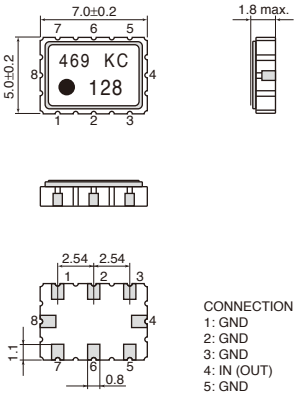
(Unit: mm)

SF3535



CONNECTION
1: GND
2: IN (OUT)
3: GND
4: GND
5: GND
6: OUT (IN)
7: GND
8: GND

SF7050



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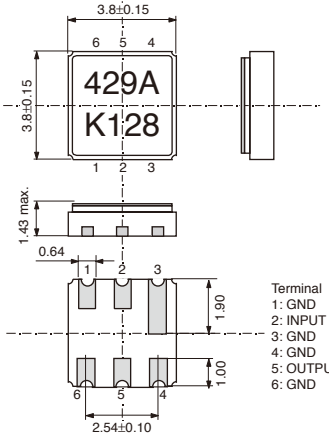
SF3838



Terminal Connection
1: GND
2: INPUT (OUTPUT)
3: GND
4: GND
5: OUTPUT (INPUT)
6: GND