



Pb Free

RoHS Comforming

Features

- Small and low profile
- For European remote keyless entry system
- For auto pick-and-place
- Reflow compatible
- Lead free

Standard Frequencies

- 868.3MHz.

How to Order

MSF B 47 - 868 - 600K 0

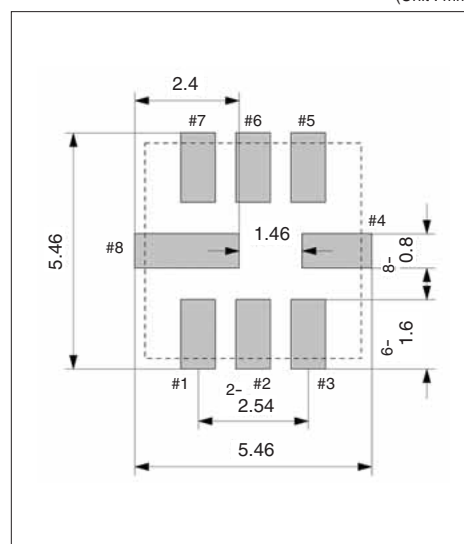
① ② ③ ④ ⑤ ⑥

- ① MSF..... Monolithic SAW Filter (Quartz Crystal)
- ② B..... Seam weld type
- ③ 47..... Package Number (01, 02.....)
- ④ 868..... Nominal Frequency
- ⑤ 600..... Pass Bandwidth 600kHz
- ⑥ 0..... Sub-Number

Specifications

Item	Unit	Conditions	Specifications
Nominal Frequency	MHz	—	868.3
Operation Temperature Range	°C	-45~+90	—
Storage Temperature Range	°C	-45~+90	—
Pass Bandwidth	kHz	-3dB	±300MIN.
Ripple	dB	Fo±300kHz	1.5MAX.
Insertion Loss	dB	Minimum loss	4.2MAX.
Guaranteed Attenuation	dB	-168.3MHz ~ -38.3MHz -38.3MHz ~ -18.3MHz -18.3MHz ~ -3.3MHz +2.7MHz ~ +6.2MHz +6.2MHz ~ +14.7MHz +14.7MHz ~ +31.7MHz +31.7MHz ~ +131.7MHz	35 32 25 11 22 30 35 MIN.
Terminating Impedance	Ω//pF		315//—1.1

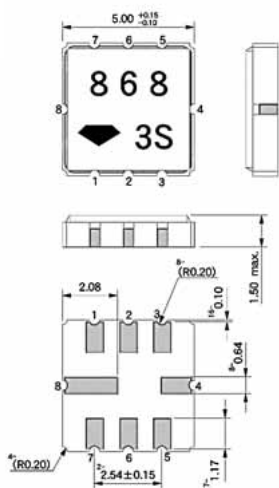
Recommended Land Pattern (Unit : mm)



Dimensions

(Unit : mm)

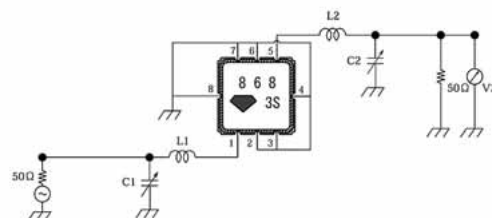
MSFB47



Terminal conection

1. IN
2. GND
3. GND
4. GND
5. OUT
6. GND
7. GND
8. GND
9. GND
10. GND

Test Circuit



INPUT	OUTPUT
L1 = 12nH	L2 = 12nH
C1 = 2~6pF	C2 = 2~6pF
MEMO) Tolerance : ±5%	MEMO) Tolerance : ±5%