

# JRC SAW FILTER

## NSVA372

Application  
**PAGER 325MHz**

### Electrical Specification: (Table 1)

The device characteristics are measured in the circuit shown in Fig.1.

Table 1. Electrical Specifications

Item	Spec.	
Input and Output Impedance	230Ω//−5pF	
Nominal Center Frequency (f0)	325MHz	
Insertion Loss	321~329MHz	4.5dB max.
Response Variation	321~329MHz	2.0dB max.
Out of Band Rejection (Relative to Through Level)	275MHz	50.0dB min.
	300MHz	40.0dB min.
	350MHz	40.0dB min.
	375MHz	40.0dB min.

(Operating Temperature Range: -10~+60°C)

### Maximum Rating: (Table 2)

Table 2. Maximum Ratings

Item	Rating
Maximum Input Power	0dBm
Maximum DC Voltage	7.5V
Operating Temperature Range	-10~+60°C
Storage Temperature	-20~+70°C

### Mechanical Specifications: (Fig.2)

Package is designed as small as 3.5x3.5x1.0[mm<sup>3</sup>] for SMD (Surface Mount Device) type.

### Notice:

This part is electrostatic discharge sensitive and may be damaged by improper handling.

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<http://www.jrc.co.jp/jp/product/device/saw/index.html> (Japanese)

[http://www.jrc.co.jp/eng/product/comm/device/saw/saw\\_top\\_e.html](http://www.jrc.co.jp/eng/product/comm/device/saw/saw_top_e.html) (English)

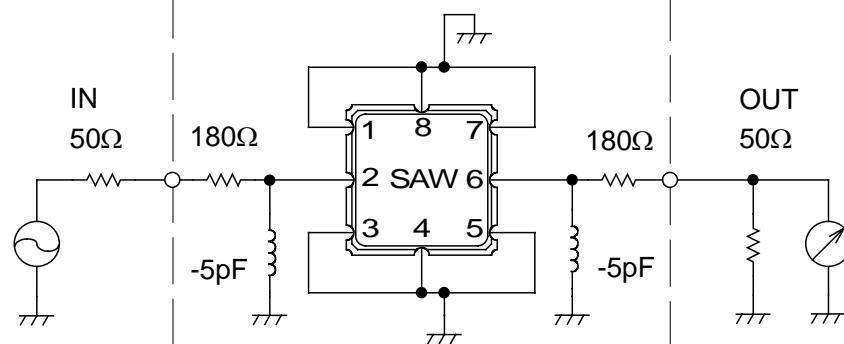


Fig.1 Measuring circuit

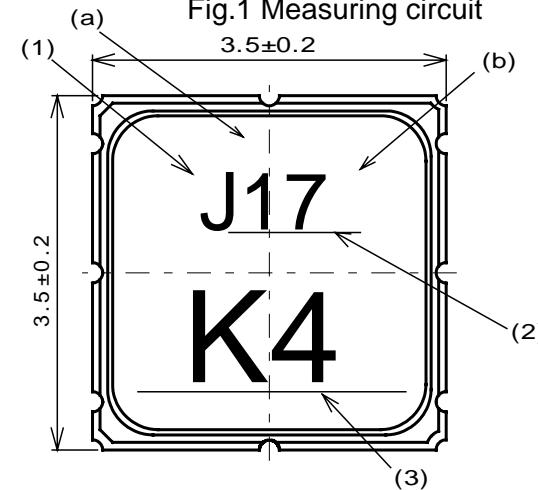


Fig.2 Package dimensions (in mm)

## Marking

(1) Manufacture's Mark

(2) Lot Number

(a) Year

(b) Month

\*Oct.--- X

Nov.--- Y

Dec.--- Z

(3) Part number Mark

Pin no.	Connection
1	GND
2	IN/OUT
3	GND
4	GND
5	GND
6	OUT/IN
7	GND
8	GND

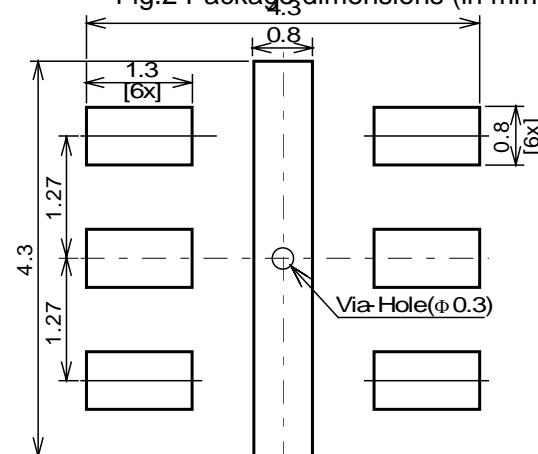


Fig.3 Desirable land area (in mm)

**Notice**

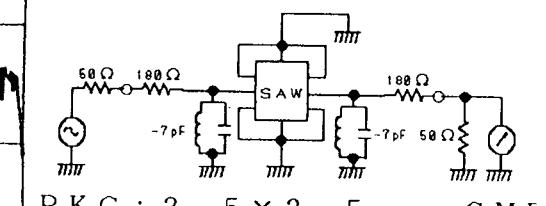
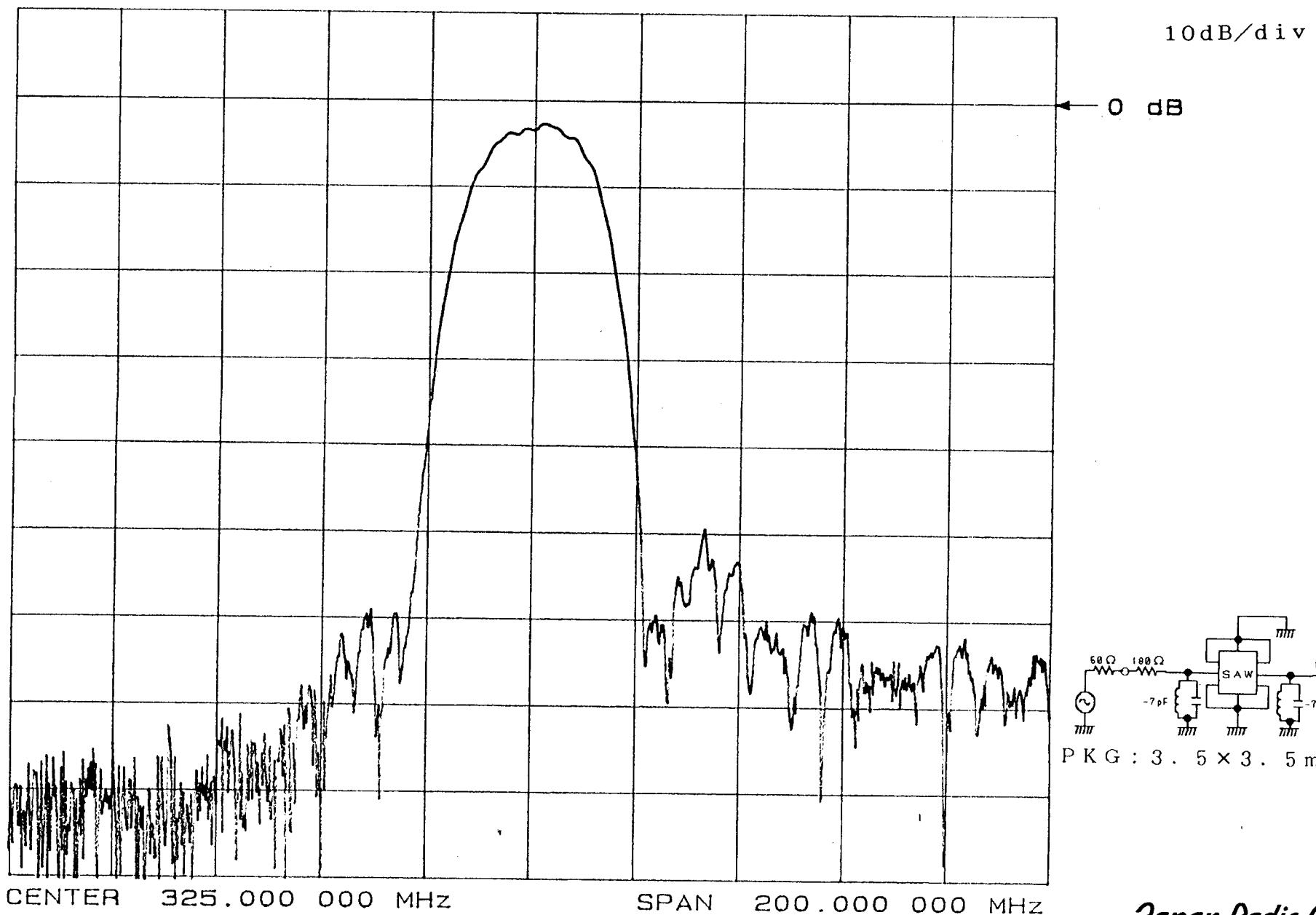
1. Use this component within operating temperature range. It might not be satisfied with electrical specification without operating temperature range. When it is used less than -10°C or more than +60°C, it might be a cause of degradation or destruction of the component. Even if it endures during a short time, it causes degradation of qualification.
2. When soldering iron is used, solder with the temperature at the tip of soldering iron: 350°C max., the time of soldering: 10 seconds max., the power of soldering iron: 30W max..
3. Notice that the allowed time of soldering with soldering iron is accumulated time, when soldering is repeated.
4. As rapid temperature change for cleaning after reflow soldering might be a cause of destruction clean this component after confirming that temperature of this component goes down to room temperature.
5. Confirm that there are not any influence for qualification to this component in mounting on PCB when this component is cleaned.
6. As it might be a cause of degradation of destruction to apply static electricity to this component, do not apply static electricity or excessive voltage while assembling and measuring. And do not transport this component with bare hand.
7. As it might be a cause of degradation or destruction to apply D.C. voltage between each terminal, apply D.C. voltage 7.5V max. in actual circuit.

**Note**

1. This specification specifies the quality of this component as a single unit. Make sure that this component is evaluated and confirmed against this specification when it is mounted to your products.

325MHz SAW filter for pager  
Amplitude Characteristic

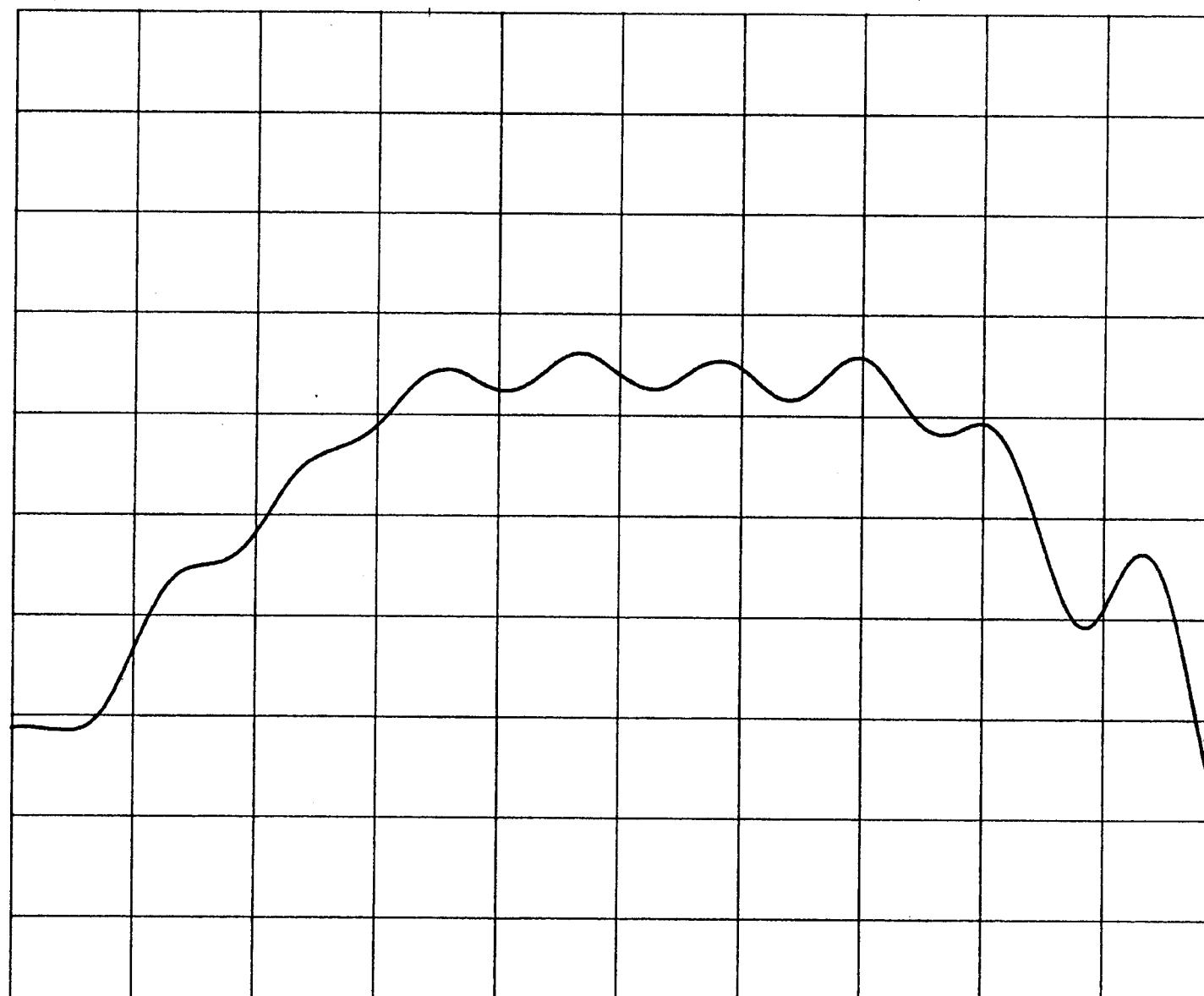
CH2 MEM log MAG 10 dB/ REF 0 dB



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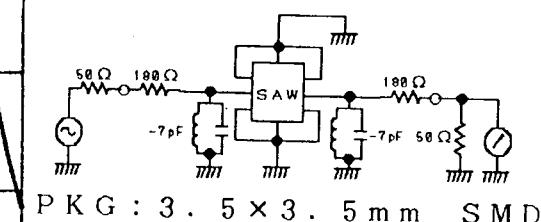
CH2 MEM log MAG 1 dB/ REF 0 dB



1 dB/div

0 dB

CENTER 325.000 000 MHz SPAN 25.000 000 MHz



PKG : 3.5 x 3.5 mm SMD

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