

# SPECIFICATION OF SAW FILTER

YOKETAN CORP.

Spec no: SM3030F-08690-004-NJ-A

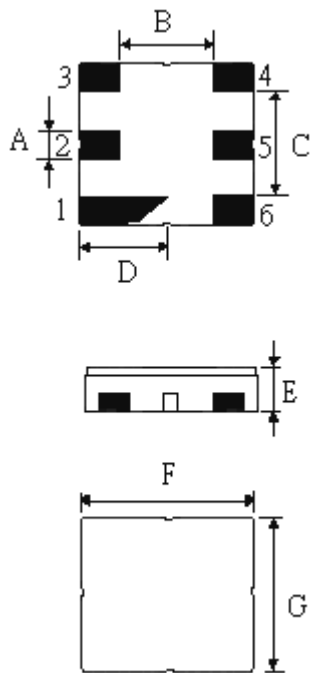
## 1. Features

Low-Loss.

For wireless audio application.

## 2. Type : SM3030 (Lead Free Parts)

## 3. Product Dimension



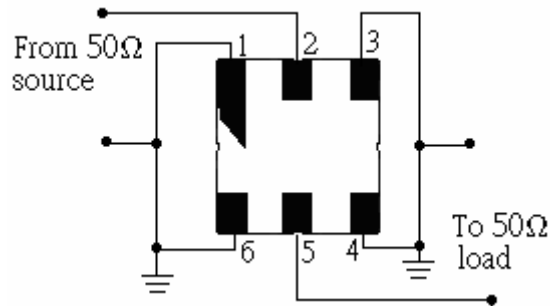
Pin	Connection
2	Input / Output
5	Output / Input
1,3,4,6	Case Ground

Sign	Data (unit:mm)	Sign	Data(unit:mm)
A	0.6±0.1	E	1.1±0.2
B	1.5±0.1	F	3.0±0.15
C	1.8±0.1	G	3.0±0.15
D	1.5±0.15		

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## 4. Test Circuit



## 5. Performance

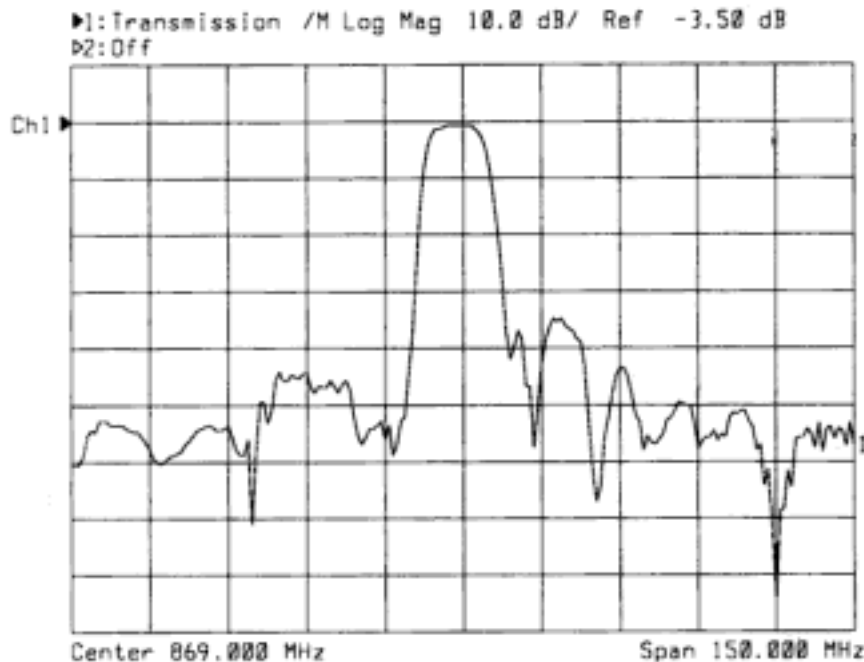
### 5-1. Maximum Ratings

Rating	Value	Units
Input Power Level	10	dBm
DC Voltage	12V	VDC
Storage Temperature	-40 to +85	
Soldering Temperature	+235	

### 5-2. Electronic Characteristics

Item	Specifications
Nominal Center Frequency ( $f_c$ )	869.000 MHz
Insertion Loss (within $f_c \pm 1.0$ MHz)	4.5dB max.
Absolute Attenuation	
1) within 820 ... 823 MHz	40dB min.
2) within 841 ... 844 MHz	35dB min.
3) within 884 ... 887 MHz	35dB min.
4) within 905 ... 908 MHz	40dB min.
Ripple Deviation (within $f_c \pm 1.0$ MHz)	1.5dB max.
Input / Output Impedance(Nominal)	50 $\Omega$

## 6. Frequency Response



## 7. Notice

Unless noted otherwise, all measurements are made with the filter installed in the specified test fixture that is connected to a  $50\Omega$  test system with  $VSWR \leq 1.2:1$ . The test fixture L and C are adjusted for minimum insertion loss at the filter center frequency,  $f_c$ . Note that insertion loss, bandwidth, and passband shape are dependent on the impedance matching component values and quality.