

SPECIFICATION OF SAW FILTER

YOKETAN CORP.

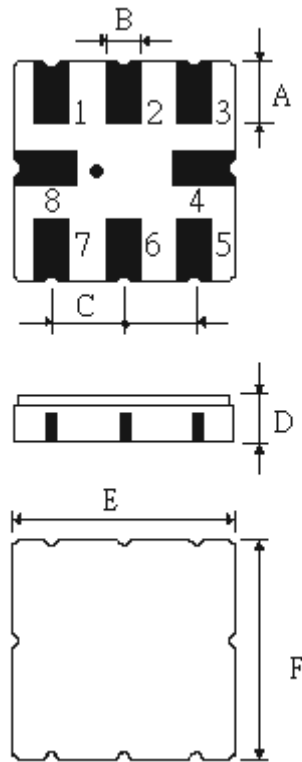
Spec no: SM3838F-08640-011-NJ-A

1. Features

For Wireless LAN applications

2. Type : SM3838 (Lead Free Parts)

3. Product Dimension



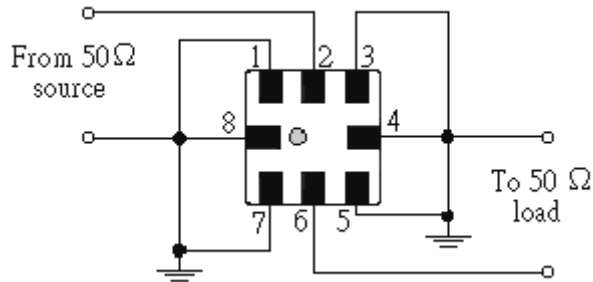
Pin	Connection
2	Input/Output
6	Output/Input
1,3,4,5,7,8	Case Ground

Sign	Data (unit:mm)	Sign	Data(unit:mm)
A	1.00±0.1	D	1.5±0.15
B	0.6±0.1	E	3.80±0.15
C	1.27±0.1	F	3.80±0.15

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4. Test Circuit



5. Performance

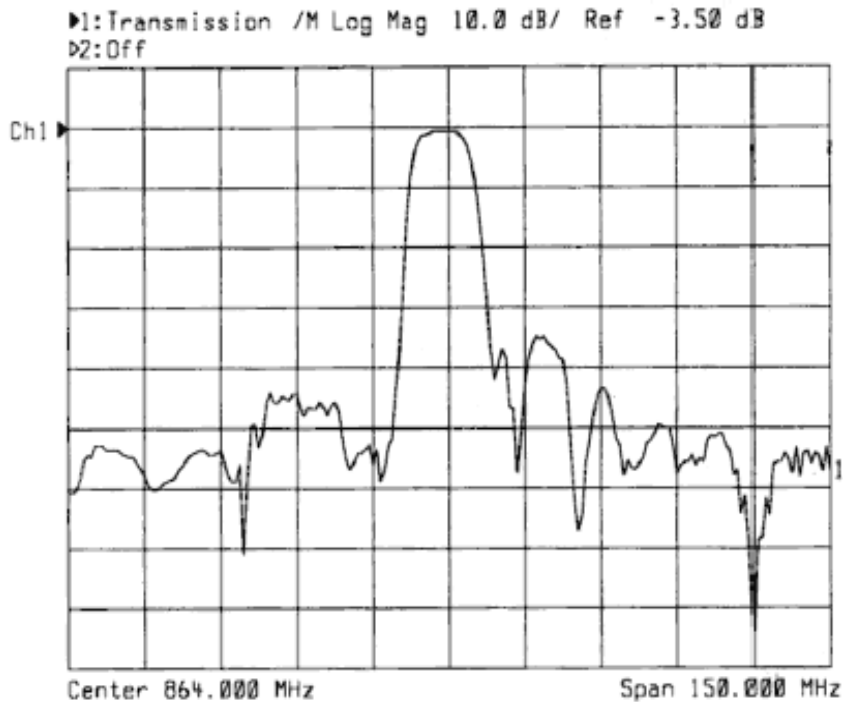
5-1. Maximum Ratings

Rating	Value	Unit
Input Power Level	10	dBm
Dc Voltage	12V	V
Storage Temperature Range	-40 to +85	
Operating Temperature Range	-10 to +60	

5-2. Electronic Characteristics

Item	Specifications
Nominal Center frequency f_c	864.0MHz
Insertion Loss (within $f_c \pm 1.0\text{MHz}$)	4.0dB max.
3dB Passband BW_3	11MHz typical (10MHz min.)
Absolute Attenuation 1) within 820...823MHz 2) within 841...844MHz 3) within 884...887MHz 4) within 905...908MHz	40dB min 35dB min 35dB min 40dB min
Ripple Deviation (within $f_c \pm 1.0\text{MHz}$)	1.5dB max
Input/Output Impedance (Nominal)	50Ω

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 50Ω 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.