SPECIFICATION OF SAW FILTER

YOKETAN CORP.

Spec no: SM3838F-08975-026-NJ-A

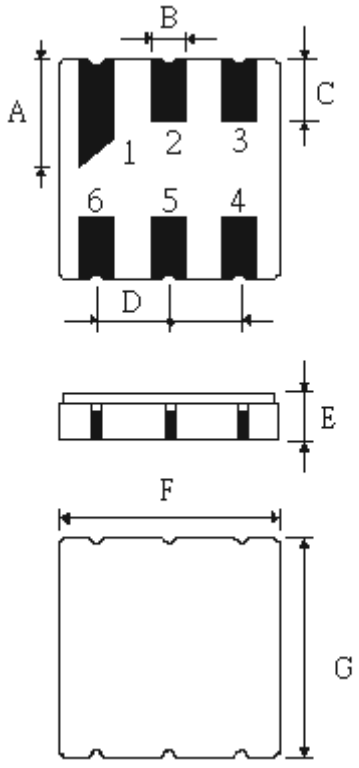
1. Features

For Mobile communications ISM900 systems.

It provides low insertion loss and high attenuation.

2. Type : SM3838 (Lead Free Parts)

3. Product Dimension



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

Sign	Data (unit:mm)	Sign	Data(unit:mm)
A	1.90±0.1	E	1.35±0.15
B	0.64±0.1	F	3.80±0.15
C	1.00±0.1	G	3.80±0.15
D	1.27±0.1		

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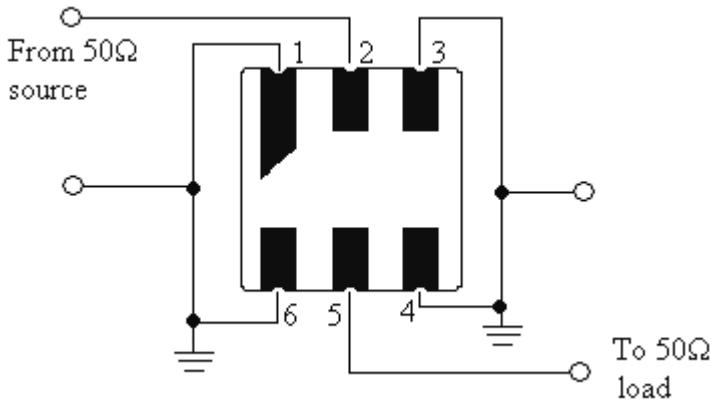
3. Test Circuit



4. Performance

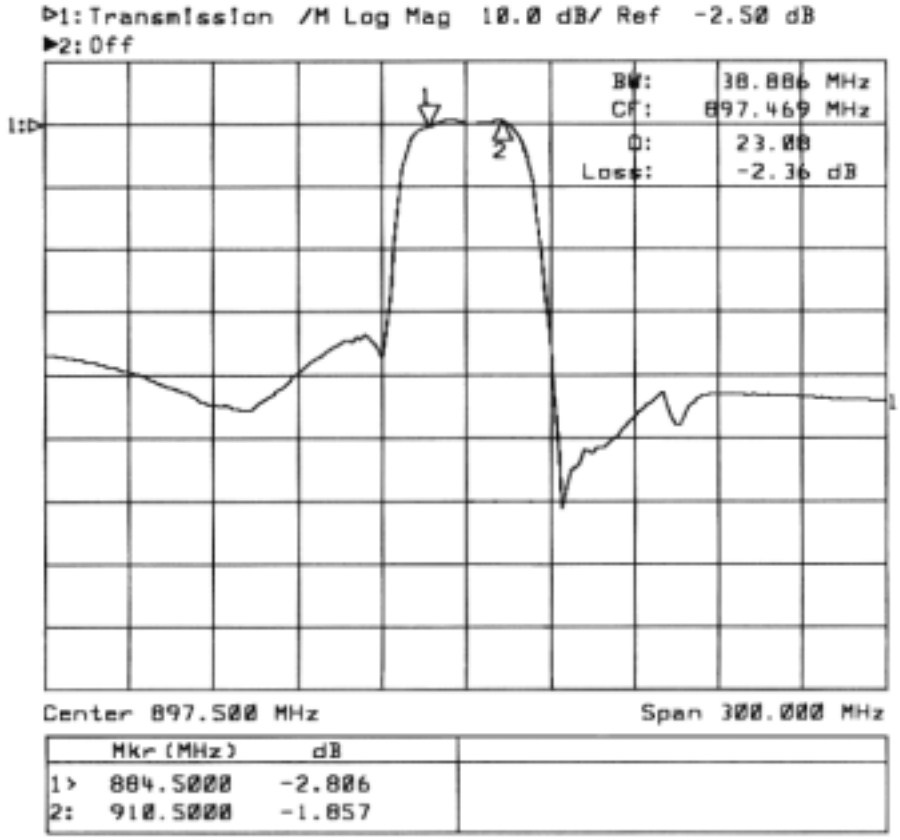
4-1.Maximum Ratings

Rating	Value	Unit
Input Power Level	10	dBm
DC Voltage	12V	V_{DC}
Storage Temperature Range	-40 to +85	℃
Operating Temperature Range	-10 to +65	℃

4-2.Electronic Characteristics

Item		Min	Typ	Max	Unit
Center Frequency	*fc*	--	897.50	--	MHz
Usable Pass Bandwidth	*BW*	--	26	--	MHz
Insertion Loss	*IL*				
884.50 …. 910.50MHz		--	3.0	4.5	dB
Passband Ripple					
884.50 …. 910.50MHz		--	--	2.0	dB
Absolute Attenuation					
DC … 783.00MHz		25	27	--	dB
783.00 … 863.00MHz		28	33	--	dB
933.00 … 1063.0MHz		32	42	--	dB
1063.0 … 2000.0MHz		20	25	--	dB
Input/Output Impedance(Nominal)			50		Ω

5. Frequency Response



6. 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≤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.