SPECIFICATION OF SAW FILTER

YOKETAN CORP.

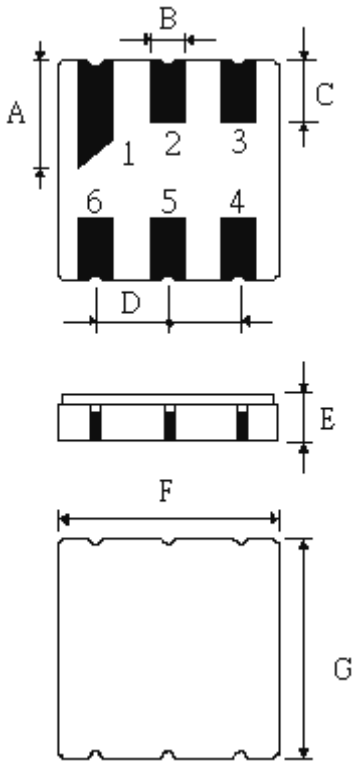
Spec no: SM3838F-09305-004-NJ-A

1. Features

Low-Loss. For Pager applications.

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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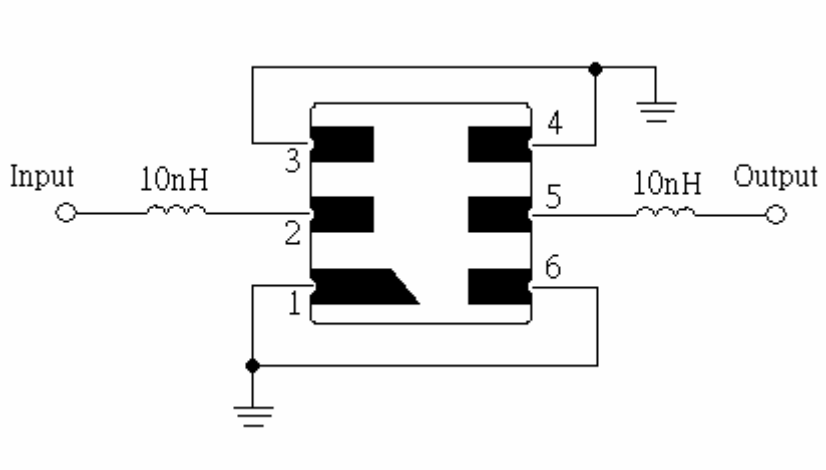
4. Test Circuit



5. Performance

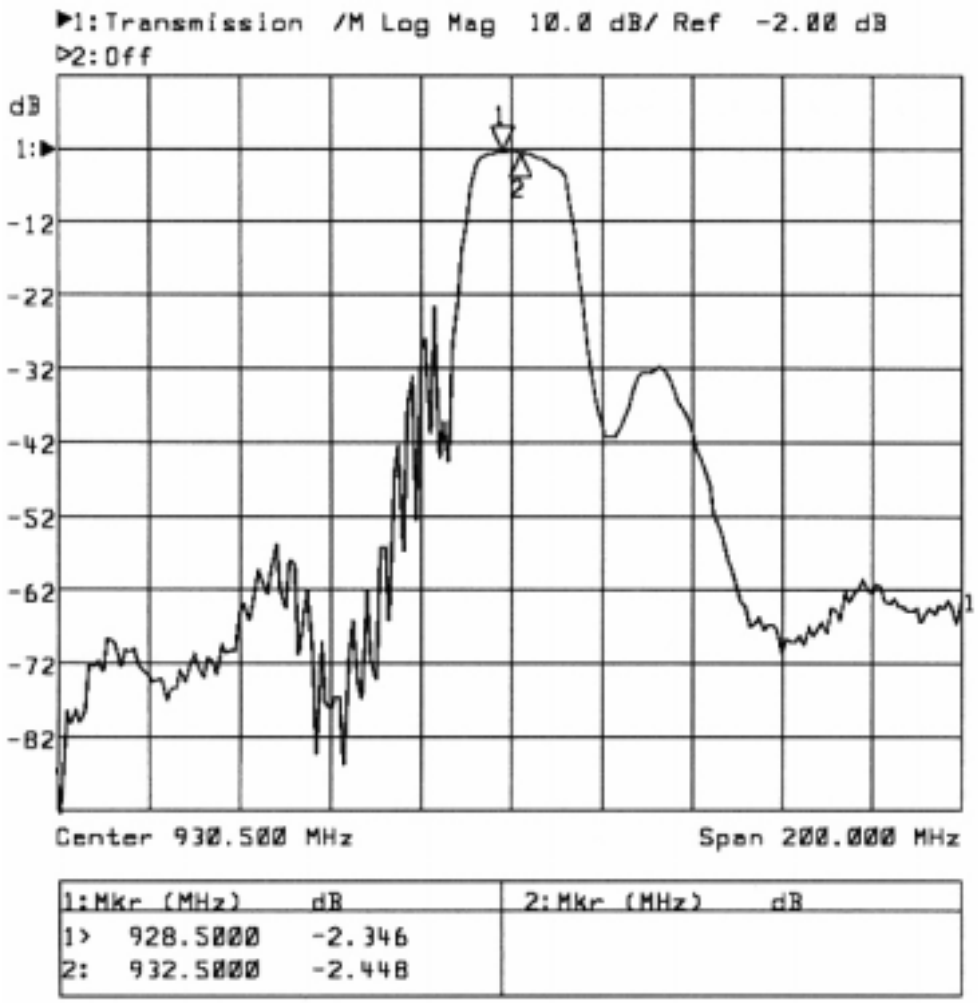
5-1.Maximum Ratings

Rating		Value
DC Voltage	V_{DC}	+15 V max.
AC Voltage	V_{PP}	10V 50Hz/60Hz
Operation temperature	T_A	-20℃ to +75℃
Storage temperature	T_{stg}	-45℃ to +85℃
RF Power Dissipation	P	0 dBm

5-2.Electronic Characteristics

Item		Min	Typ.	Max	Unit
Center Frequency	f_C	--	930.5	--	MHz
Usable Bandwidth	BW	--	±2.0	--	MHz
Insertion Loss 928.50 MHz …. 932.50 MHz	IL	--	2.5	4.5	dB
Relative Attenuation(relative to IL) f_C－ 100.0MHz …. f_C－ 38.8 MHz f_C＋ 20.0MHz …. f_C＋ 38.8 MHz f_C＋ 38.8MHz …. f_C＋ 60.0 MHz f_C＋ 60.0MHz …. f_C＋ 100.0 MHz	α_{rel}	 40 24 30 45	 53 30 36 58	 -- -- -- --	 dB dB dB dB
Pasband Ripple 928.50 MHz …. 932.50 MHz	$\Delta\alpha$	--	--	1.0	dB
Input / Output Impedance		50Ω // 10nH			

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≤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.