

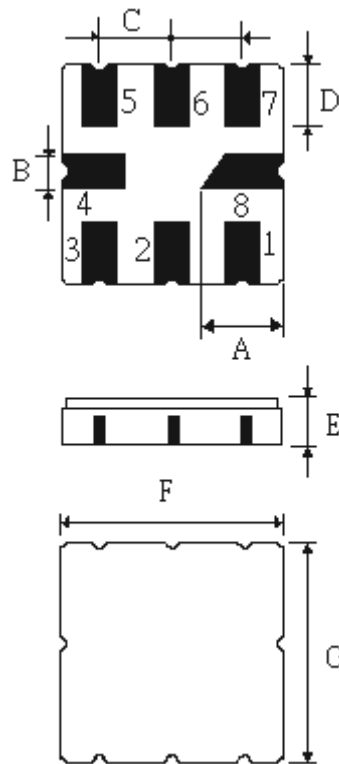
SPECIFICATION OF SAW FILTER

YOKETAN CORP.

Spec no: SM3838F-03150-R92-TJ-A

1. Type : SM3838 (Lead Free Parts)

2. Product Dimension



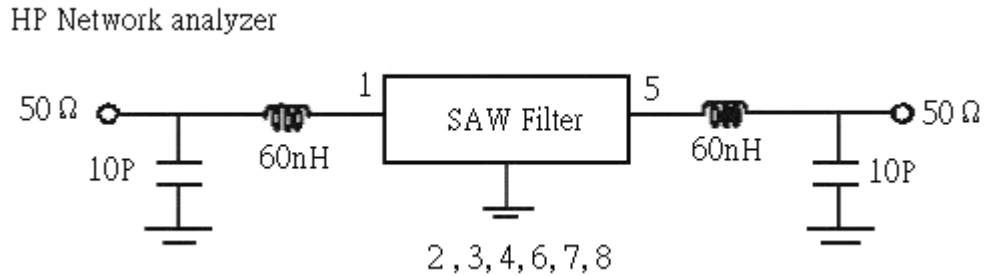
Pin	Connection
1	Input or Input Ground
2	Input Ground or Input
5	Output
6	Output Ground
3,7	Ground
4,8	Case Ground

Sign	Data (unit:mm)	Sign	Data(unit:mm)
A	1.5 ref.	E	1.7 Max
B	0.6 ref.	F	3.8±0.15
C	1.27±0.1	G	3.8±0.15
D	1.0 ref.		

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3. Test Circuit



4. Performance

4-1. Maximum Ratings

Rating		Value	Units
Input Power Level	P	10	dBm
DC Voltage	V_{DC}	6	V
Operating Temperature Range	T_A	-40 to +125	
Storage Temperature Range	T_{stg}	-40 to +125	

4-2. Electronic Characteristics

Item		Min	Typ.	Max.
Center frequency f_c (MHz)		--	315	---
Minimum I.L. (314.82~315.22 MHz) (dB) IL_{min}		--	2.2	4.0
Pass band (relative to IL_{min})				
314.77~315.2 MHz	(dB)	--	1.5	3.0
314.71~315.26 MHz	(dB)	--	2.0	6.0
Pass bandwidth (relative to IL_{min}) $BW3$ (KHz)		800	920	---
Attenuation : (relative to IL_{min})	(dB)			
10~270 MHz	(dB)	45	50	---
270~309MHz	(dB)	30	35	---
309~313.94MHz	(dB)	15	20	---
316~335 MHz	(dB)	10	15	---
335~400 MHz	(dB)	35	40	---
400~1000 MHz	(dB)	45	50	---
Impedance at F_c				
Input	$Z_{IN} = R_{IN} // C_{IN}$		373 // 5.0pF	
Output	$Z_{OUT} = R_{OUT} // C_{OUT}$		373 // 5.0pF	

(Reference Temperature : $T_A = -40$ to 95)

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5. Frequency Response

