

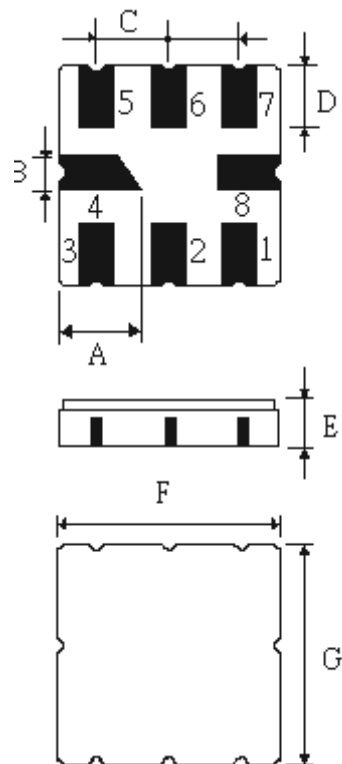
SPECIFICATION OF SAW FILTER

YOKETAN CORP.

Spec no: SM3838F-04339-R72-TJ-A

1. Type : SM3838 (Lead Free Parts)

2. Product Dimension



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

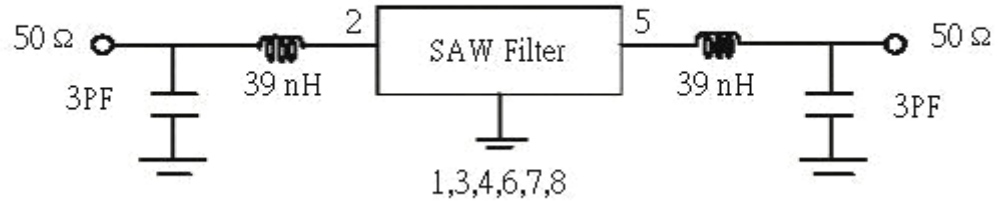
Sign	Data (unit:mm)	Sign	Data(unit:mm)
A	1.5 ref.	E	1.7Max
B	0.6 ref.	F	3.8±0.15
C	1.27±0.1	G	3.8±0.15
D	1.0 ref.		

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3. Test Circuit

HP Network analyzer



4. Performance

4-1. Maximum Ratings

Rating		Value	Units
Input Power Level	P	10	dBm
DC Voltage	V_{DC}	0	V
Operating Temperature Range	T_A	-45 to +125	
Storage Temperature Range	T_{stg}	-45 to +125	

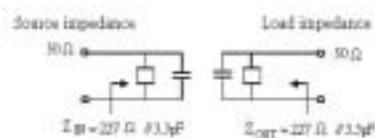
4-2. Electronic Characteristics

(Reference Temperature : $T_A = -45$ to 95)

Item		Min	Typ.	Max.	Note
Center frequency (MHz)	f_c	--	433.92	---	
Minimum I.L. (433.8~434.12 MHz) (dB)	IL_{min}	--	2.2	4.0	
Pass band (relative to IL_{min})					
433.76~434.08 MHz	(dB)	--	---	2.0	
433.74~434.10 MHz	(dB)	--	---	3.0	
433.68~434.16 MHz	(dB)	--	---	6.0	
Pass bandwidth (relative to IL_{min}) (KHz)	BW_3	600	720	---	
Attenuation : (relative to IL_{min})	(dB)				
10~414 MHz	(dB)	45	48	---	
414~427.5MHz	(dB)	40	43	---	
427.5~432.92MHz	(dB)	15	19	---	
434.92~442 MHz	(dB)	10	14	---	
442~550 MHz	(dB)	35	38	---	
550~1000 MHz	(dB)	45	50	---	
Impedance at f_c	Input $Z_{IN} = R_{IN} // C_{IN}$	227 // 3.3pF			2
	Output $Z_{OUT} = R_{OUT} // C_{OUT}$	227 // 3.3pF			

Note 1. The standard definitions is in JIS C6703

Note 2



5. Frequency Response

