

SPECIFICATION OF SAW FILTER

YOKETAN CORP.

Spec no: SM3030F-15754-002-NJ-A

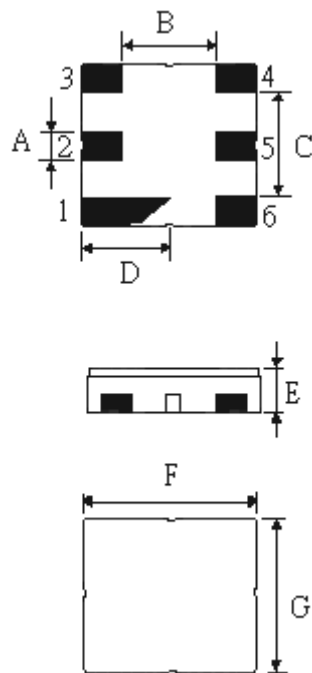
1. Features

Low-Loss.

For GPS application.

2. Type : SM3030 (Lead Free Parts)

3. Product Dimension



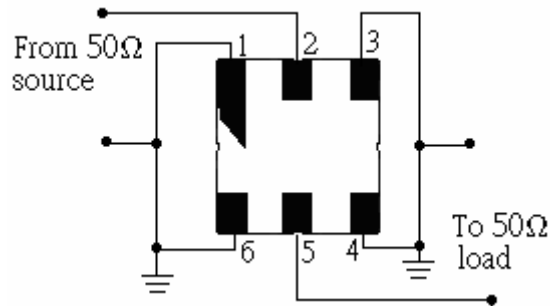
Pin	Connection
2	Input / Output
5	Output / Input
1,3,4,6	Case Ground

Sign	Data (unit:mm)	Sign	Data(unit:mm)
A	0.6±0.1	E	1.1±0.2
B	1.5±0.1	F	3.0±0.15
C	1.8±0.1	G	3.0±0.15
D	1.5±0.15		

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4. Test Circuit



5. Performance

5-1. Maximum Ratings

Rating	Value	Units
Input Power Level	10	dBm
DC Voltage	0	VDC
Storage Temperature	-40 to +85	
Soldering Temperature	+235	

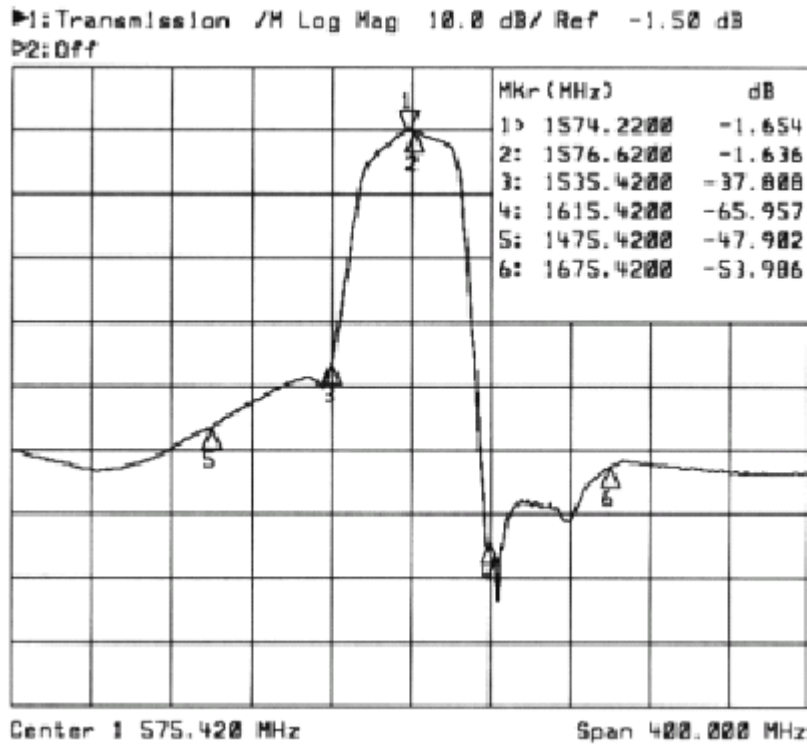
5-2. Electronic Characteristics

Item	Min	Typ	Max	Units
Center Frequency f_c		1575.42		MHz
Insertion Loss 1574.220~1576.620MHz	--	1.6	3.5	dB
Amplitude Ripple (p-p) IL 1574.220~1576.620MHz		0.3	1.5	dB
Absolute Attenuation 1475.42 MHz	40	48	---	dB
1535.42 MHz	30	38	---	
1615.42 MHz	50	66	---	
1675.42 MHz	45	54	---	
VSWR 1574.220~1576.620 MHz			2.0	
Input/Output Impedance	50			

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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.