

SPECIFICATION OF SAW FILTER

YOKETAN CORP.

Spec no: SM3030F-09150-026-NJ-A

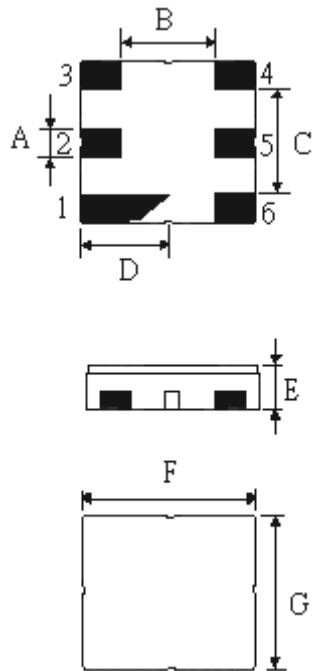
1. Features

Low-Loss.

For mobile communications ISM900 systems.

2. Type : SM3030 (Lead Free Parts)

3. Product Dimension



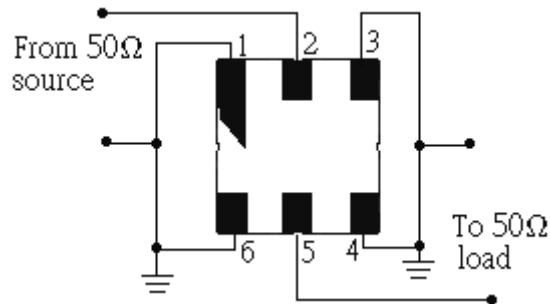
Pin	Connection
2	Input / Output
5	Output / Input
1,3,4,6	Case Ground

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

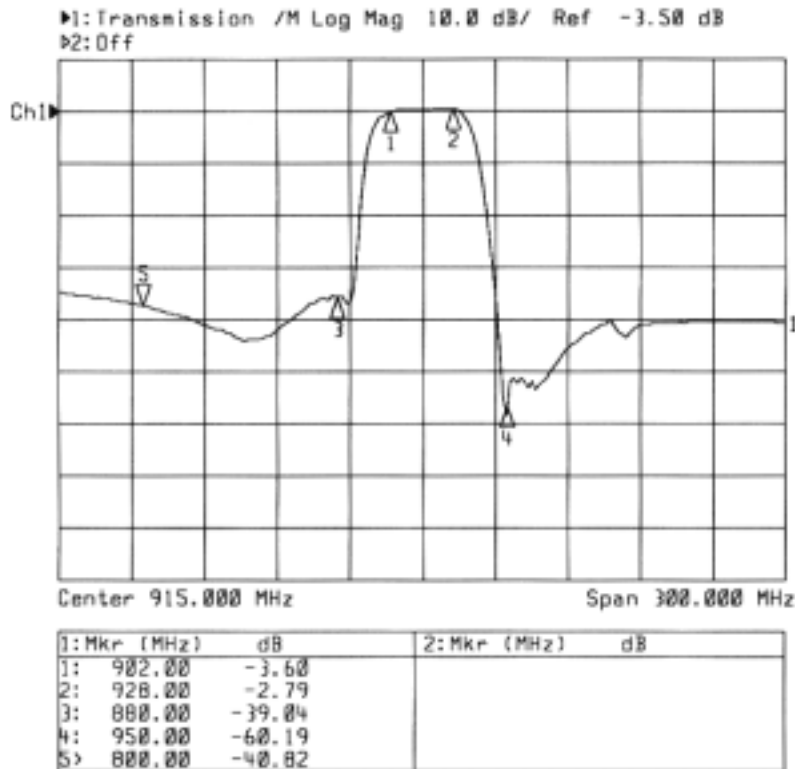
5-1. Maximum Ratings

Rating	Value	Units
Input Power Level	10	dBm
DC Voltage	12	V
Storage Temperature Range	-40 to +85	
Operating Temperature Range	-10 to +60	

5-2. Electronic Characteristics

Item	Min	Typ	Max	Units
Nominal Center Frequency f_c	--	915.000	--	MHz
Usable Pass Bandwidth BW	--	26	--	MHz
Insertion Loss IL 902.00 928.00 MHz	--	3.5	5.0	dB
Inband Ripple $\Delta\alpha$ 902.00 928.00 MHz	--	1.5	--	dB
Absolute Attenuation α				
DC 800.00 MHz	25	27	--	dB
800.00 880.00 MHz	30	35	--	dB
950.00 1080.0 MHz	30	40	--	dB
1080.0 2000.0 MHz	20	25	--	dB

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.