

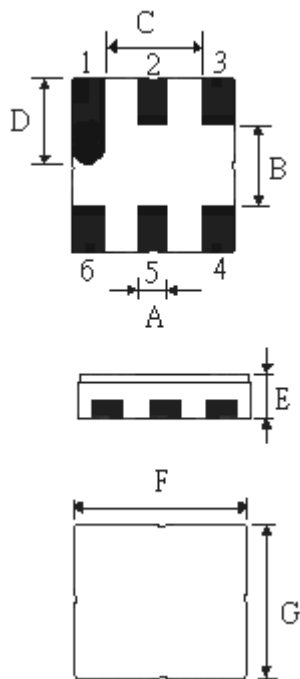
SPECIFICATION OF SAW FILTER

YOKETAN CORP.

Spec no: SM3030F-08605-019-TJ-A

1. Type : SM3030 (Lead Free Parts)

2. Product Dimension



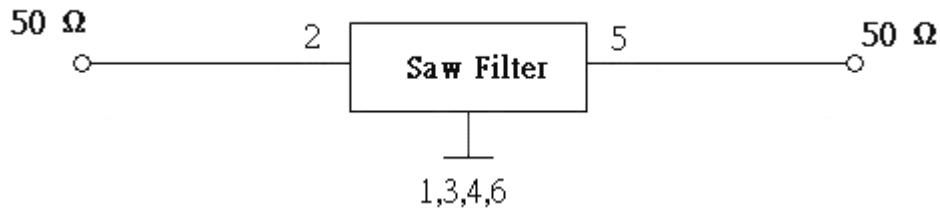
Pin	Connection
2	Input
5	Output
1,3,4,6	Ground

Sign	Data (unit:mm)	Sign	Data(unit:mm)
A	0.6±0.1	E	1.3 Max
B	1.3±0.1	F	3.0±0.15
C	1.6±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	3	VDC
Storage Temperature	-40 to +85	
Operating Temperature	-30 to +70	

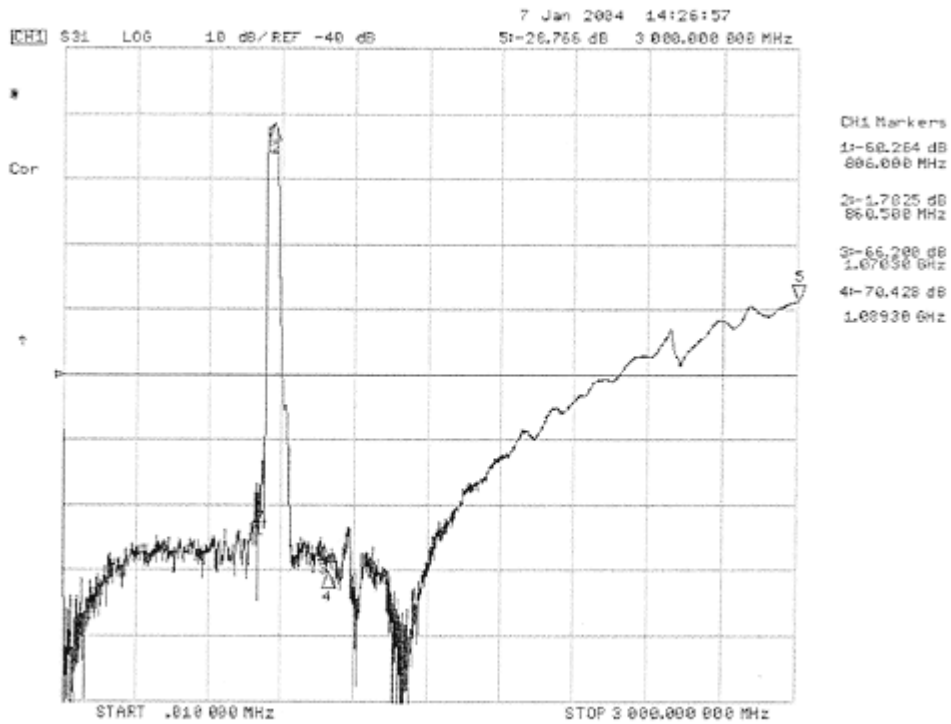
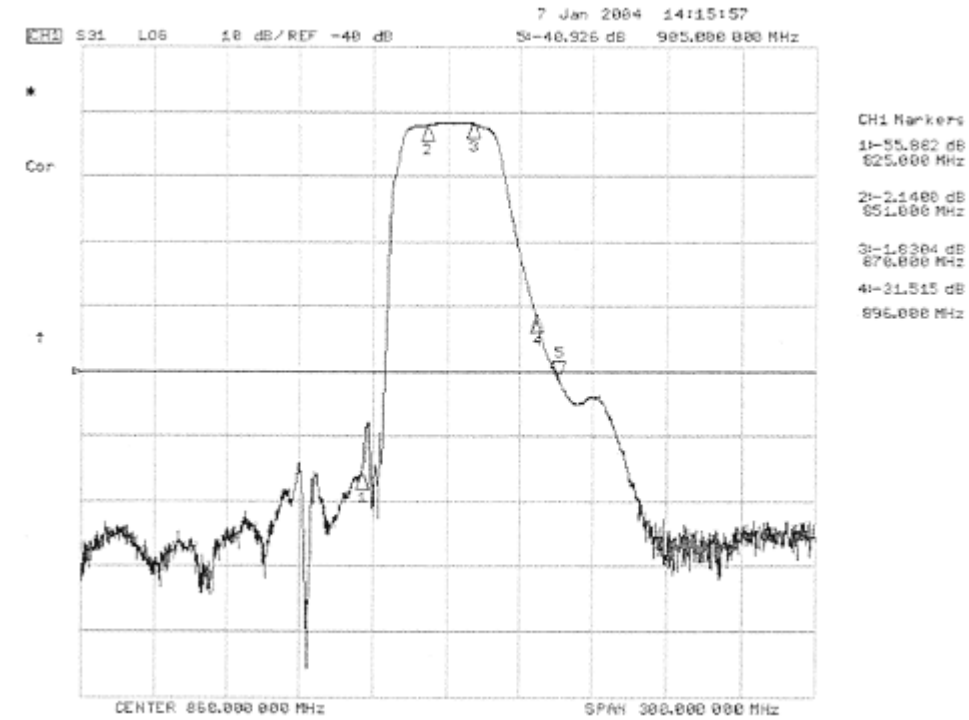
5-2. Electronic Characteristics

Item	Min	Typ.	Max.	Unit
Center frequency f_c	--	860.5	---	MHz
Insertion loss 851~870 MHz IL	--	2.2	3.0	dB
Amplitude ripple 851~870 MHz		0.6	1.3	dB
Group delay ripple 851~870 MHz		12	60	ns
Attenuation (Reference level from 0 dB)				
0.000~806.000 MHz	27	54	--	dB
806.000~825.000 MHz	37	54	--	dB
896.000~902.000 MHz	25	31	--	dB
905.825~924.825 MHz	27	40	--	dB
960.650~979.650 MHz	37	65	--	dB
1070.300~1089.300 MHz	47	65	--	dB
1089.300~3000.000 MHz	24	28	--	dB
Return loss 851~870 MHz	9.5	13		
Source impedance Z_s	--	50	--	
Load impedance Z_L	--	50	--	

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6. Frequency Characteristics

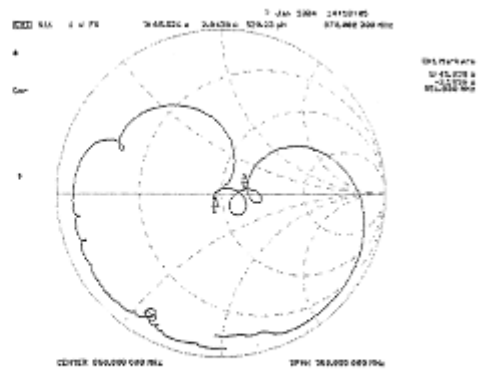
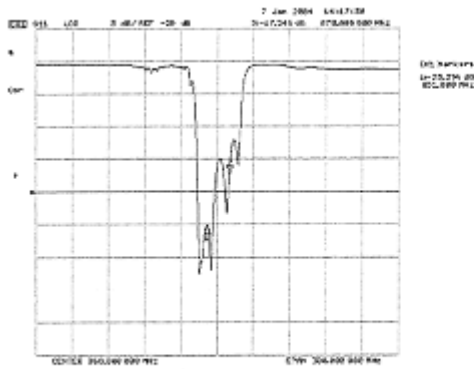


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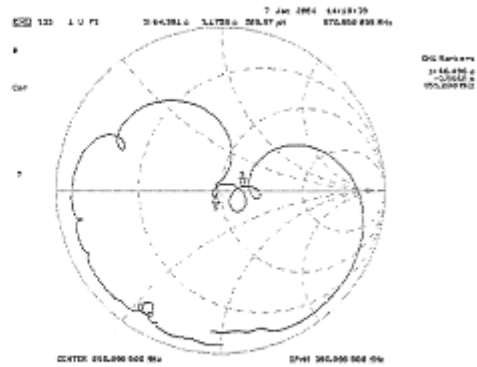
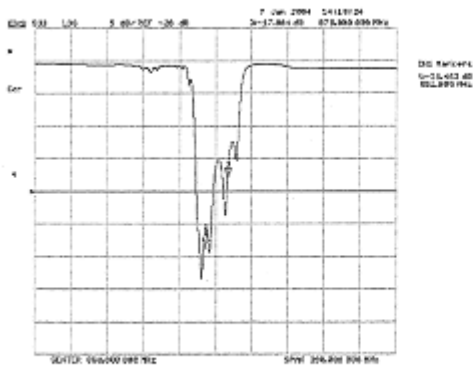
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7. Reflections Functions :

S11



S22

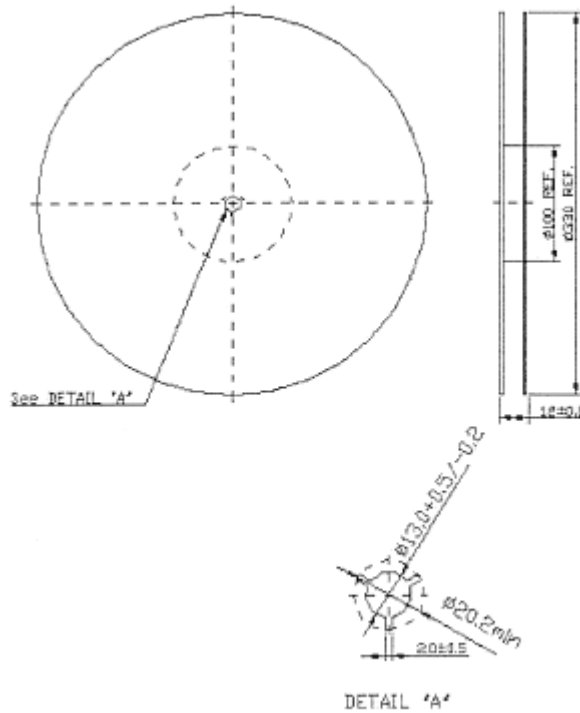


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8. Packing :

8.1 Reel Dimension



8-2 Tape Dimension

