

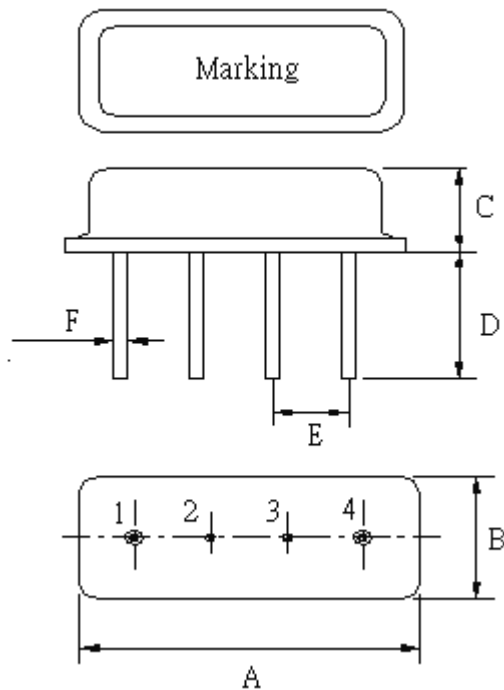
SPECIFICATION OF SAW FILTER

YOKETAN CORP.

Spec no: F11F-04460-004-NJ-A

1. Type : F11

2. Product Dimension



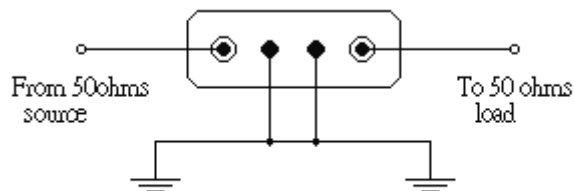
Pin	Configuration
1	Input / Output
4	Output/Input
2,3	Case Ground

Sign	Data (unit: mm)	Sign	Data(unit: mm)
A	11.0±0.3	E	2.54±0.2
B	4.5±0.3	F	0.45±0.2
C	3.2±0.3		
D	5.0±0.5		

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3. Test Circuit



4. Performance

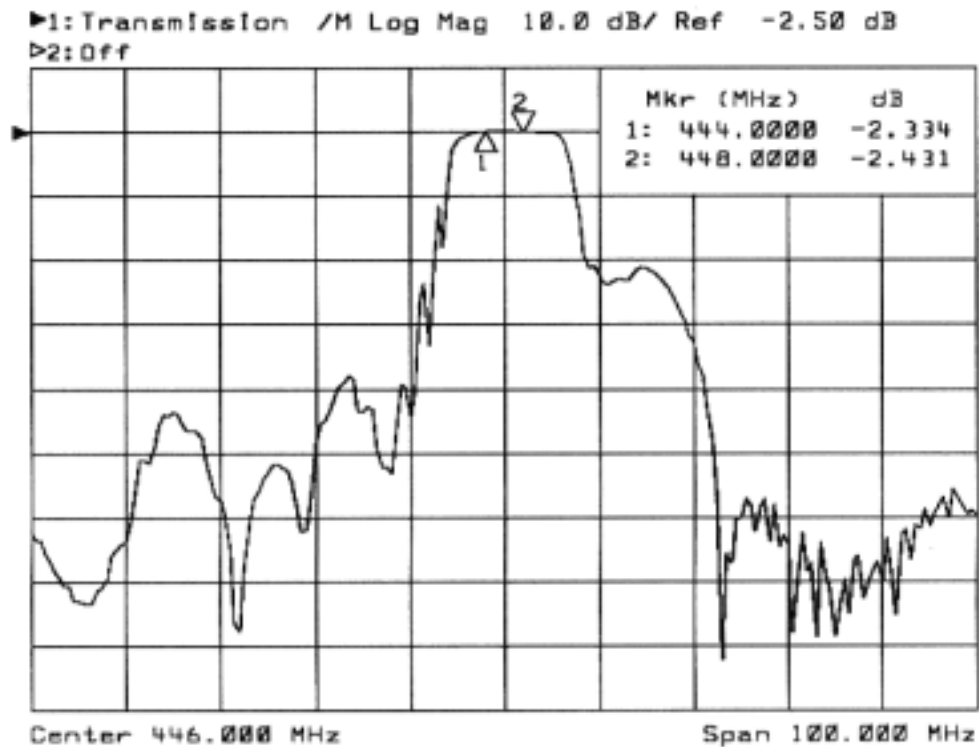
4-1. Maximum Ratings

Rating		Value
RF Power Dissipation	P	0dBm
DC Voltage	V_{DC}	10V
AC Voltage	V_{AC}	10V 50Hz/ 60Hz
Operable Temperature Range	T_A	-20 to +60
Storage Temperature Range	T_{stg}	-40 to +85

4-2. Electronic Characteristics

Item		Min	Typ	Max	Unit
Center Frequency	f_C	--	446.000	--	MHz
User Signal Band	BW	--	± 2.0	--	MHz
Insertion Loss	IL				
	$f_C \pm 2.0$ MHz	--	3.0	4.5	dB
Absolute Attenuation	α				
	DC to $f_C - 20.0$ MHz	35	45	--	dB
	$f_C + 25.0$ MHz to $f_C + 200.0$ MHz	46	56	--	dB
Pass Band Ripple	$\Delta\alpha$				
	$f_C \pm 2.0$ MHz	--	--	2.0	dB
Input / Output Impedance (Nominal)		50 Ω // 0pF			

5. Frequency Response



6 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.