

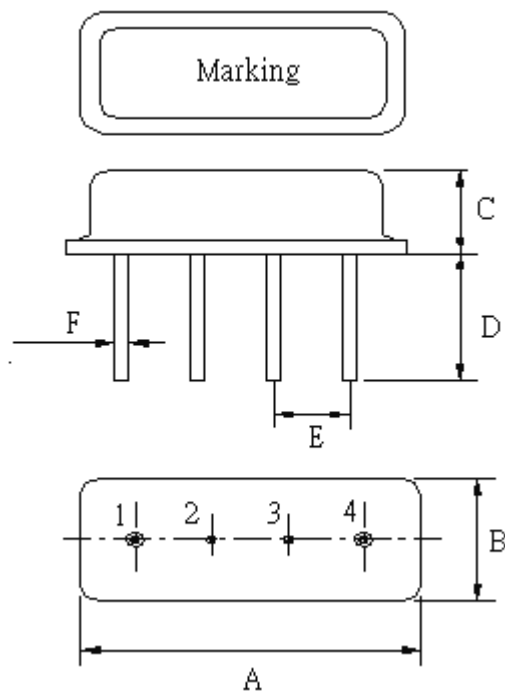
# SPECIFICATION OF SAW FILTER

YOKETAN CORP.

Spec no: F11F-04339-004-NJ-A

1. Type : F11

2. Product Dimension



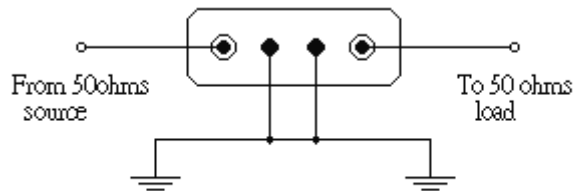
Pin	Configuration
1	Input / Output
4	Output/Input
2,3	Case Ground

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		

# SPECIFICATION OF SAW FILTER

YOKETAN CORP.

## 3. Test Circuit



## 4. Performance

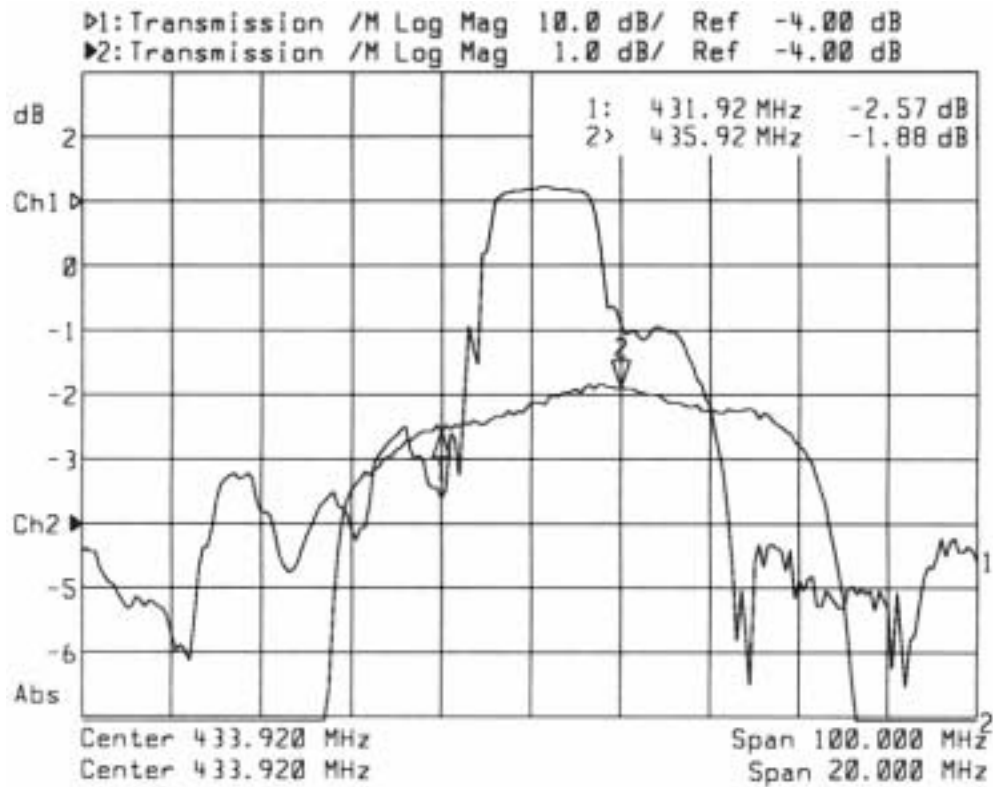
### 4-1. Maximum Ratings

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	$f_c$	--	433.920	--	MHz
User Signal Band	$BW$	--	$\pm 2.0$	--	MHz
Insertion Loss	$IL$ $f_c \pm 2.0\text{MHz}$	--	3.0	4.5	dB
Absolute Attenuation	$\alpha$ DC to $f_c - 20.0\text{MHz}$ $f_c + 25.0\text{MHz}$ to $f_c + 100.0\text{MHz}$	35 42	42 52	-- --	dB
Pass Band Ripple	$\Delta\alpha$ $f_c \pm 2.0\text{MHz}$	--	--	2.0	dB
Input / Output Impedance (Nominal)		$50\Omega // 0\text{pF}$			

## 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.