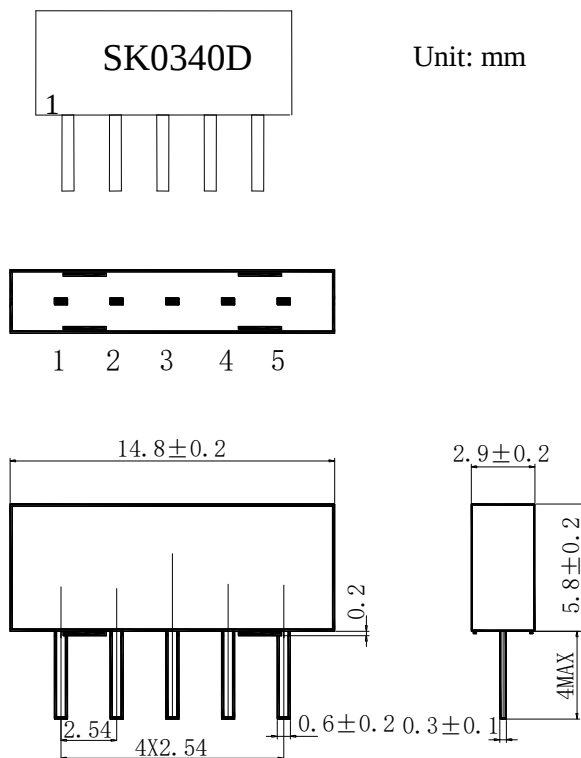


Range:

This specification shall cover the characteristics of SAW filter with Strong's P/N: SK0340D

1. Package Dimension

(SIP5D)



2.

Pin No.	Functions
1.	Input
2.	Switching Input
3.	Chip carrier-Ground
4.	Output
5.	Output

3. Performance

3.1 Use: TV SAW FILTER FOR Audio Application

3.2 MAXIMUM RATINGS

3.4 Electronic Characteristics(Ta=25°C)

DC voltage	V _{DC}	12	V	Between any terminals
AC voltage	V _{PP}	10	V	Between any terminals
Operating Temperature Range	T _A	-25~65	°C	
Storage Temperature Range	T _{stg}	-40~85	°C	

3.4.1. Amplitude Characteristics

Characteristics of channel 1 (switching pin 2 connected to ground)

L'

FREQUENCY(MHz)		VALUE(dB)			NOTE
		Max.	Typ.	Min.	
Reference level	40.40		0		dB
Picture carrier	33.90	-40.0	-52.0		dB
Picture carrier	38.40	-42.0	-60.0		dB
Adjacent picture carrier	41.90	-32.0	-38.0		dB
Adjacent sound carrier	32.40	-36.0	-51.0		dB
Lower sidelobe.	25.00...32.40	-35.0	-42.0		dB
Upper sidelobe.	42.50...45.00	-31.0	-35.0		dB

Characteristics of channel 2 (switching input pin 2 connected to input pin 1)

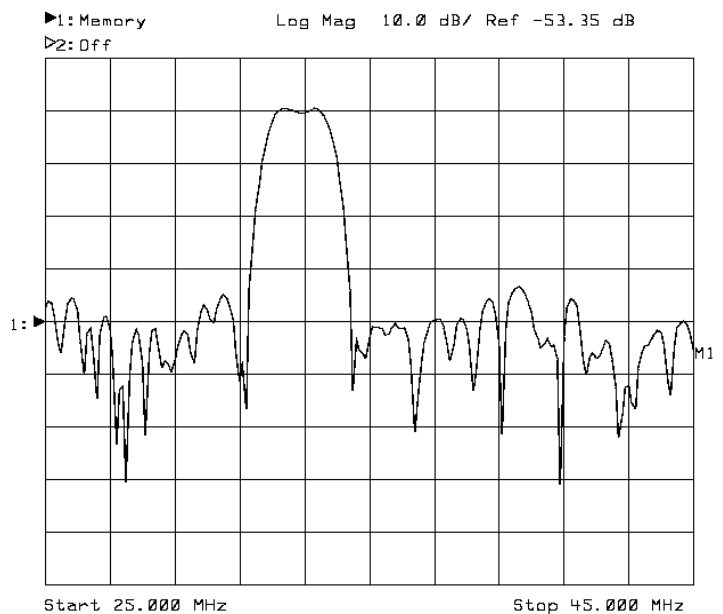
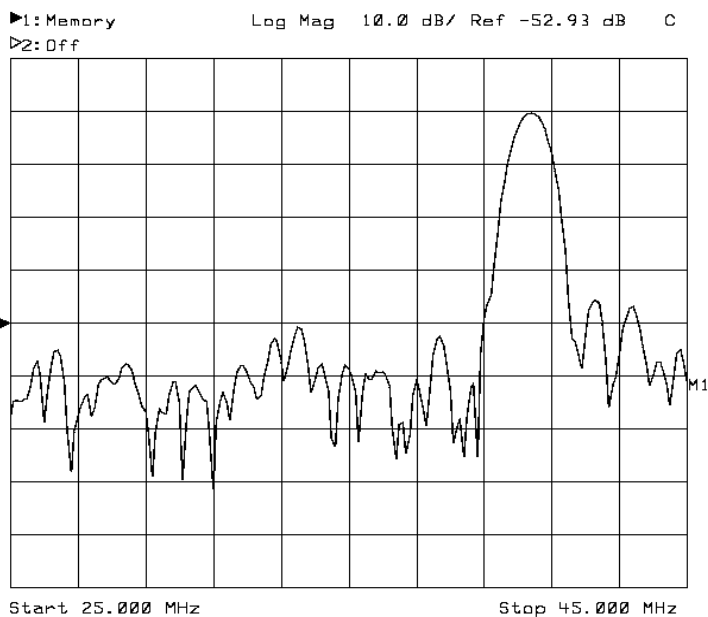
B/G, D/K,L,I

FREQUENCY(MHz)		VALUE(dB)			NOTE
		Max.	Typ.	Min.	
Reference level	32.40		0		dB
Picture carrier	38.90	-36.0	-48.0	-	dB
Color carrier	34.47	-31.0	-42.0	-	dB
Adjacent picture carrier	30.90	-36.0	-48.0	-	dB
Adjacent sound carrier	40.40	-34.0	-52.0	-	dB
Adjacent sound carrier	40.90	-33.0	-40.0	-	dB
Adjacent sound carrier	41.40	-34.0	-43.0	-	dB
Lower sidelobe	25.0... 29.50	-33.0	-40.0	-	dB
Upper sidelobe	38.9... 45.00	-29.0	-36.0	-	dB

3.5 Frequency Characteristics:

CHANNEL ONE (L')

CHANNEL TWO (B/G,D/K,L,I)



4. Test Circuit

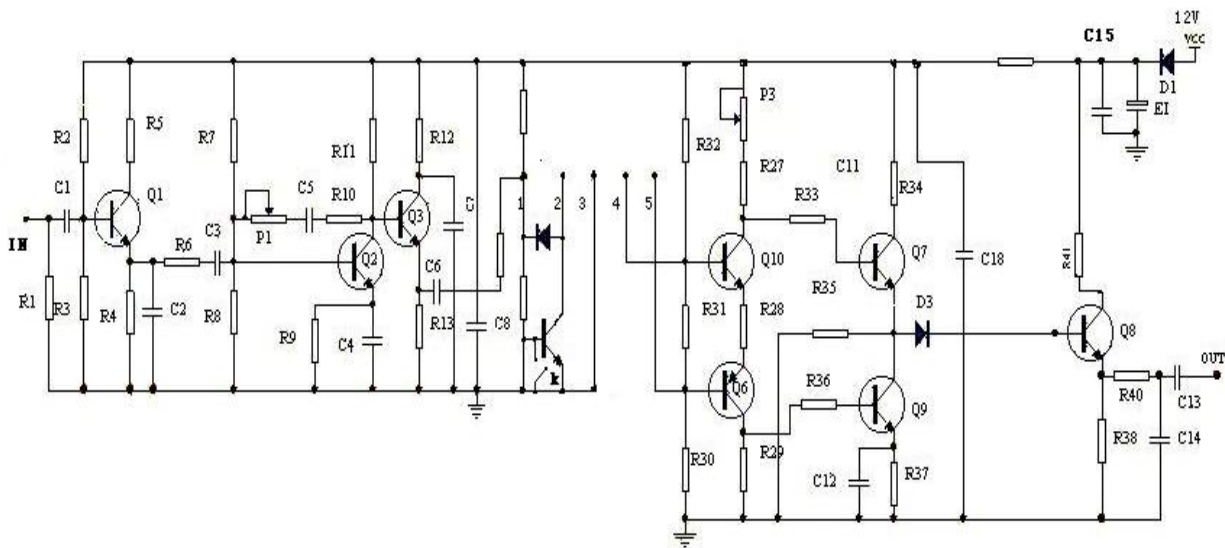


Fig.1 Test Circuit

5. RELIABILITY TEST

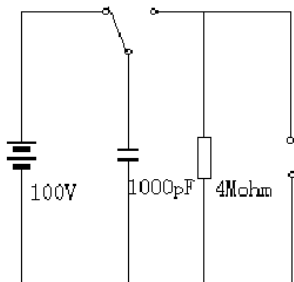
5.1 Environmental Performance Characteristics

Item Test condition	Allowable change of absolute Level at center frequency(dB)
High temperature test 70°C 1000H	< 1.0
Low temperature test -40°C 1000H	< 1.0
Humidity test 40°C 90-95% 1000H	< 1.0
Thermal shock -20°C==25°C==80°C 20 cycle 30M 10M 30M	< 1.0
Solder temperature test Sold temp.260°C for 10 sec.	< 1.0
Soldering Immerse the pins melt solder at 260°C+5/-0°C for 5 sec.	More then 95% of total area of the pins should be covered with solder

5.2 Mechanical Test

Item Test condition	Allowable change of absolute Level at center frequency(dB)
Vibration test 600-3300rpm amplitude 1.5mm 3 directions 2 H each	<1.0
Drop test On maple plate from 1 m high 3 times	<1.0
Lead pull test Pull with 1 kg force for 30 seconds	<1.0
Lead bend test 90° bending with 500g weigh 2 times	<1.0

5.3 Voltage Discharge Test

Item Test condition	Allowable change of absolute Level at center frequency(dB)
Surge test Between any two electrode 	<1.0