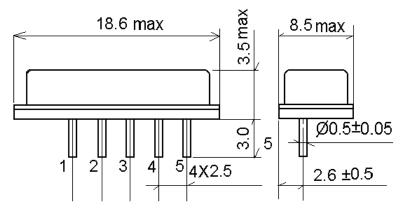
1.SCOPE

SAW filter series have broad line up products meeting all broadcast standard including NTSC, PAL and SECAM systems. These filters are composed of two inter digital transducers on a single-crystal. piezoelectrical chip. They are used in electronic equipments such as TV and so on.

2. Construction

2.1 Dimension and materials





- 1. input
- 2. input ground
- 3. ground
- 4. output ground
- 5. output

3. Characteristics

Standard atmospheric conditions

Unless otherwise specified, the standard rang of atmospheric conditions for making measurements and tests is as follows:

Ambient temperature : 15 to 35
Relative humidity : 25% to 85%
Air pressure : 86kPa to 106kPa

Operating temperature rang

Operating temperature rang is the rang of ambient temperatures in which the filter can be

operated continuously. -10 ~ +60

Storage temperature rang

Storage temperature rang is the rang of ambient temperatures at which the filter can be stored without damage.

Conditions are as specified elsewhere in these specifications. $-40 \sim +70$

Reference temperature +25

3.1 Maximum Rating

DC voltage	VDC	12	V	Between any terminals
AC voltage	Vpp	10	V	Between any terminals

3.2 Electrical Characteristics

Source impedance $Z_s=50$ Load impedance $Z_L=50$

 $T_{A} = 25$

			71			
Item		Freq	min	typ	max	
Nominal fro	Nominal frequency			38.90		MHz
Insertion att	Insertion attenuation		32.9	34.9	36.9	dB
Relative atte	Relative attenuation		32.0	40.0		dB
(relative to	(relative to N)		-1.4	0.1	1.6	dB
			-1.3	0.2	1.7	dB
			1.3	3.3	5.3	dB
			22.0	25.0	-	dB
			30.0	40.0	-	dB
			35.0	42.0		
Sidelobe	25.00~	31.90MHz	30.0	38.0		dB
	40.40~	45.00MHz	28.0	37.0		dB
Temperature coefficient			-87		Ppm/k	

3.3 Environmental Performance Characteristics

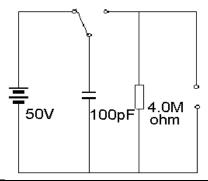
Item Test condition	Allowable change of absolute Level at center frequency(dB)
High temperature test 70 16H,	< 1.0
Low temperature test -25 2H	< 1.0
Humidity test 40 90-95% 100H	< 1.0
Thermal cycle -25 ==70 3cycle 30min. 5min. 30min.	< 1.0
Solder temperature test Sold temp.260 for 10 sec.	< 1.0
Soldering Immerse the pins melt solder at 260 +5/-0 for 5 sec.	More then 95% of total area of the pins should be covered with solder

3.4 Mechanical Test

Item	Allowable change of absolute
Test condition	Level at center frequency(dB)
Vibration test	
Frequency 10~55Hz amplitude 1.5mm	<1.0
3 directions 2 H each	
Drop test	<1.0
On maple plate frome 1 m high 3 times	<1.0
Lead pull test	<1.0
Pull with 1 kg force for 30 seconds	<1.0
Lead bend test	-1.0
90° bending with 500g weigh 2 times	<1.0

3.5 Voltage Discharge Test

Item	Allowable change of absolute
Test condition	Level at center frequency(dB)



Surge test	
Between any two electrode	
	<1.0

3.6 Frequency response

