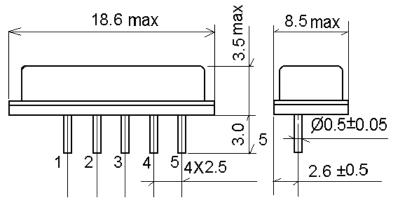
1.SCOPE

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. $-10 \sim +60$

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 Zs=50

Load impedance $Z_L=50$ $T_A=25$

Item		Freq	min	typ	max	
Nominal frequency		f_N		38.90		MHz
Insertion attenuation		N	32.9	34.9	36.9	dB
Relative attenuation		31.90MHz	32.0	40.0		dB
(relative to	(relative to N)		-1.4	0.1	1.6	dB
		33.40MHz	-1.3	0.2	1.7	dB
		39.65MHz	1.3	3.3	5.3	dB
		40.15MHz	22.0	25.0	-	dB
		40.40MHz	30.0	40.0	-	dB
		44.40MHz	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

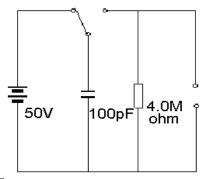
Item Test condition	Allowable change of absolute Level at center frequency(dB)	
High temperature test 70 16H,	< 1.0	
Low temperature test -25 2H	< 1.0	
Humidity test 40 90-95% 100H	< 1.0	
Thermal cycle -25 ==70 3cycle 30min. 5min. 30min.	< 1.0	
Solder temperature test Sold temp.260 for 10 sec.	< 1.0	
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)



.1.0
<1.0

3.6 Frequency response

