

1.SCOPE

This specification shall cover the characteristics of SAW Filter with F48A used for the cordless phone.

2.ELECTRICAL SPECIFICATION

2.1 Maximum Rating (Ta = 25)

Characteristics		Ratings	Unit
Input signal voltage		5	Vp-p
DC voltage	between input	3	V
	between output		
	Between others	15	
AC voltage: 50-60 Hz		10	Vp-p
Operating temperature rang		-20 – 70	
Storage temperature range		-55 – 85	

2.2 Electrical Characteristics

Type	3dB passband (MHz)	Insertion-loss MAX(dB)	Stop-band Atten. MIN(dB)	Loop-loss MIN(dB)	Out-band Atten. (dB)	Impedance ()
HD F48A1	48.00~48.48	4	30	35	30	50/50

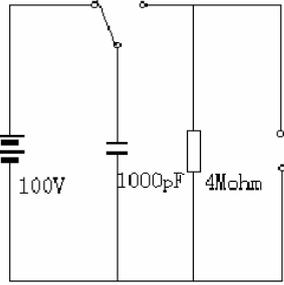
3. ENVIRONMENTAL PERFORMANCE CHARACTERISTICS

Item Test condition	Allowable change of absolute Level in pass band(dB)
High temperature test 85 500H	< 1.0
Low temperature test -40 500H	<1.0
Humidity test 40 90-95% 500H	<1.0
Thermal shock -20 ==25 ==80 5 cycle 30M 10M 30M	<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

4.MECHANICAL TEST

Item Test condition	Allowable change of absolute Level in pass band(dB)
Vibration test	
600-3300rpm amplitude 1.5mm 3 directions 2 H each	<1.0
Drop test On maple plate from 1m 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 2times	<1.0

5. VOLTAGE DISCHARGE TEST

Item Test condition	Allowable Chang of absolute Level in pass band(dB)
<p style="text-align: center;">Surge test Between any two electrode</p> 	<p><1.0</p>

6.DIMENSION

