

规格书编号

SPEC NO :

产品规格书

SPECIFICATION

CUSTOMER 客 户 : _____

PRODUCT 产 品 : _____ SAW FILTER _____

MODEL NO 型 号 : _____ HDF173.225 F11 _____

PREPARED 编 制 : _____ CHECKED 审 核 : _____

APPROVED 批 准 : _____ D A T E 日 期 : _____ 2006-5-11 _____

客户确认 CUSTOMER RECEIVED:		
审核 CHECKED	批准 APPROVED	日期 DATE

无锡市好达电子有限公司
Shoulder Electronics Limited

更改历史记录

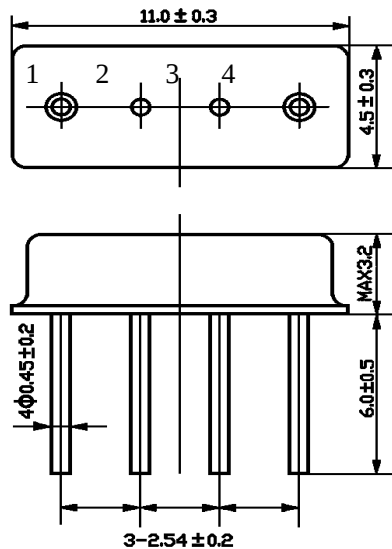
History Record

[illegible]

1.Package Dimension

Unit:mm

(F-11)



NO	Function
1	Input
2	Ground
3	Ground
4	Output

2.Marking

HDF173.225

1. Colour : Black or Blue
2. 173.225: Center Frequency (MHz)

3.Performance

3.1Center Frequency:173.225MHz.

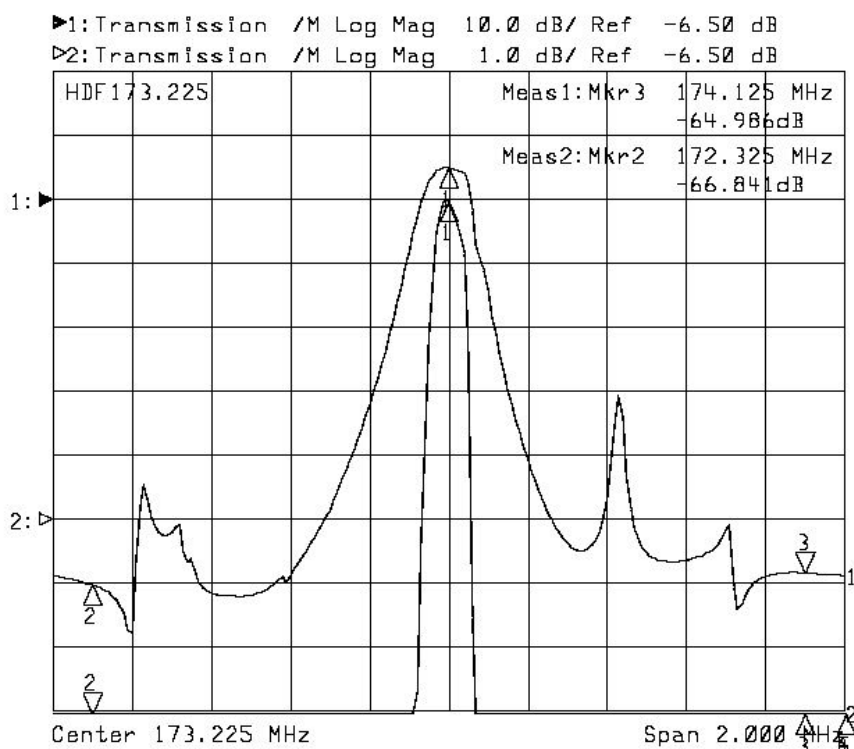
3.2 Maximum Rating

Operation Temperature Range	-40°Cto +85°C
Storage Temperature Range	-40°Cto +85°C
DC Permissive Voltage	10V DC max
Maximum Input Power	0 dBm

3.3 Electronic Characteristics

Item	Specification
Center Frequency (f_0)	173.225MHz
Insertion Loss	5.0dB max $f_0 \pm 10\text{KHz}$
Pass Band Ripple	3.0dB max
$f_0 \pm 920\text{KHz} \sim \pm 10\text{MHz}$	50dB min..
$f_0 \pm 900\text{KHz} \sim \pm 920$	65 dB min.

4. Typical frequency response



5. Reliability

- 5.1 Drop Test : The components shall remain within the electrical specifications after soldered in the PCB board of the model of pager about 100 gs weight, and then loaded 30 trials of natural dropping from the height of 1.2 meters on to an board.
- 5.2 Vibration Fatigue: The components shall remain within the electrical specifications after loaded vibration at 10-120Hz , amplitude 1.5 mm , X, Y, Z, direction ,for 2 hours.
- 5.3 Terminal Strength: The components shall remain within the electrical specifications after pulled 2 Kgs weight for 10 seconds towards an axis of each terminal.
- 5.4 High Temperature Storage: The components shall remain within the electrical

specifications after being kept at the $85\text{ }^{\circ}\text{C}\pm 2^{\circ}\text{C}$ for 960 Hours, then kept at room temperature for 2 hours.

5.5 Low Temperature Storage: The components shall remain within the electrical specifications after being kept at the $-25\text{ }^{\circ}\text{C}\pm 2^{\circ}\text{C}$ for 960 Hours, then kept at room temperature for 2 hours.

5.6 Temperature Cycle: The components shall remain within the electrical specifications after 5 cycles of high and low temperature testing (one cycle: $80\text{ }^{\circ}\text{C}$ for 30 minutes 25°C for 5 minutes -25°C for 30 minutes) then kept at room temperature for 2 hours.

5.7 Humidity Test : The components shall remain within the electrical specification after being kept at the condition of ambient temperature $40\pm 2^{\circ}\text{C}$, and 90 ~ 95% RH for 960 ± 5 hours, then kept at room temperature and normal humidity for 1.5 hours .

4.8 Solder-heat Resistance : The components shall remain within the electrical specifications after dipped in the solder at $350^{\circ}\text{C} \pm 5^{\circ}\text{C}$ for 5 ± 1 seconds, then kept at room temperature for 10 mins. (Terminal must be dipped leaving 1.5 mm from the case).

5.9 Solderability : Solderability of terminal shall be kept at more than 80% after dipped in the solder flux at $230\text{ }^{\circ}\text{C}\pm 5^{\circ}\text{C}$ for 5 ± 1 seconds.

5.10 Storage: The components shall meet the electrical and mechanical specifications after 5 years storage, if stored within the temperature range of $-20\text{ }^{\circ}\text{C} \sim +60^{\circ}\text{C}$ and in the humidity of 20 to 60 % r.h.

6. Remarks

6.1 Static voltage

Static voltage between signal load & ground may cause deterioration & destruction of the component. Please avoid static voltage.

6.2 Ultrasonic cleaning

Ultrasonic vibration may cause deterioration & destruction of the component. Please avoid ultrasonic cleaning .

6.3 Soldering

Only leads of component may be soldered, Please avoid soldering another part of component.