

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: _____ HDF173.075M 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

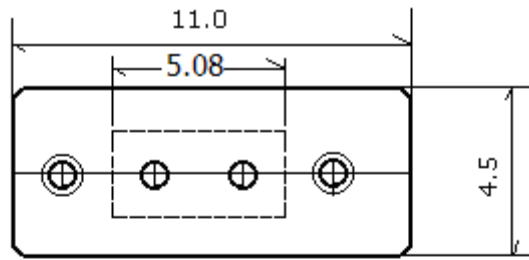
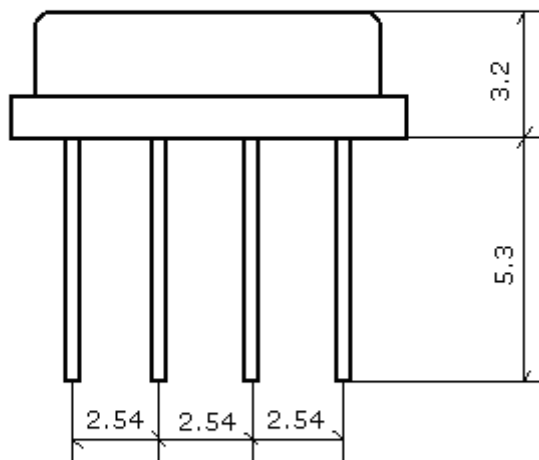
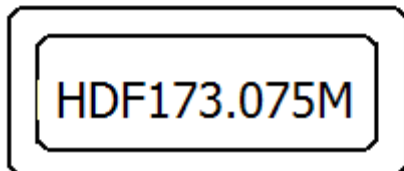
无锡市好达电子有限公司
Shoulder Electronics Limited

更改历史记录 History Record

更改日期 Date	规格书编号 Spec. No.	产品型号 Part No.	客户产品型号 Customer No.	更改内容描述 Modify Content	备注 Remark

1.Package Dimension

Unit:mm



NO	Function
1	Input
2	Ground
3	Ground
4	Output

2.Marking

HDF173.075M

2.1. Colour : Black or Blue

2.173.075: Center Frequency (MHz)

3.Performance

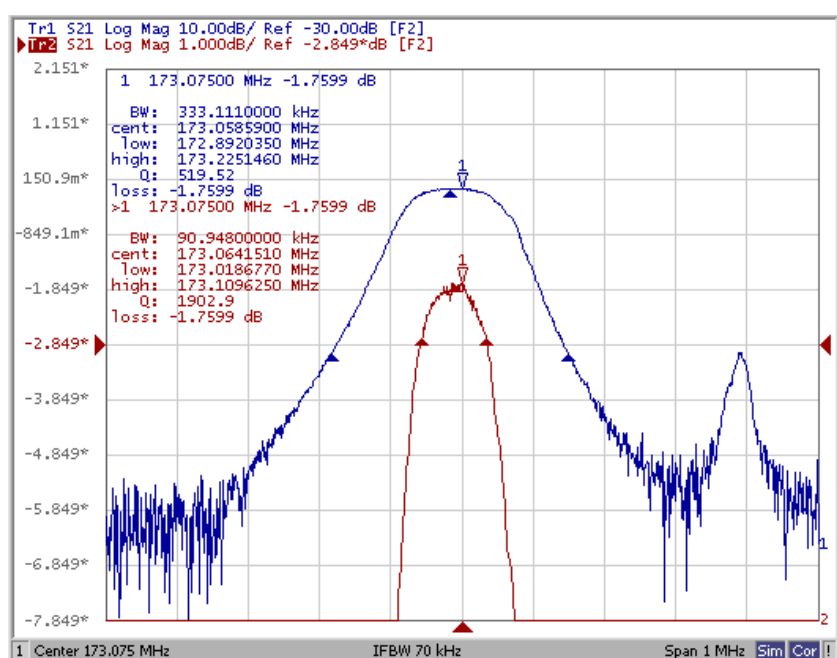
3.1 Center Frequency:173.075 MHz.

3.2 Maximum Rating

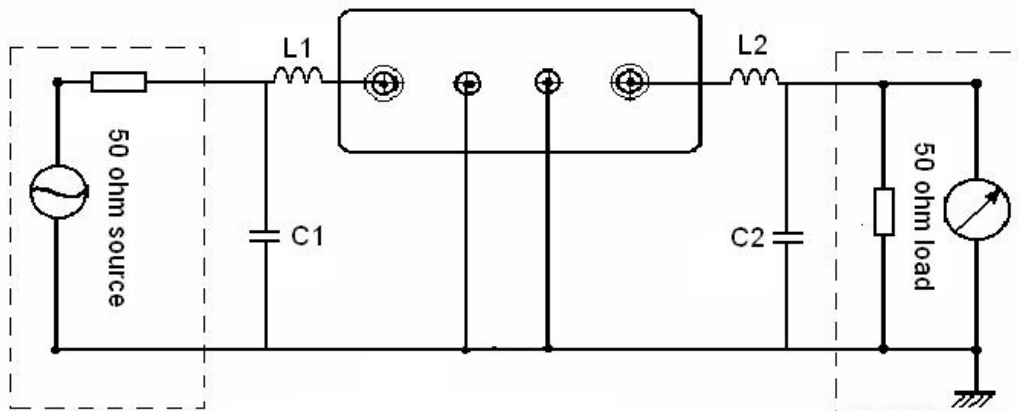
Operation Temperature Range	-20℃to +60℃
Storage Temperature Range	-40℃to +85℃
DC Permissive Voltage	10V DC max
Maximum Input Power	0 dBm

3.3 Electronic Characteristics

Item	Specification
Center Frequency (f_0)	173.075MHz
Insertion Loss	4.5dB max $f_0 \pm 30\text{KHz}$
Pass Band Ripple	2.0dB max
-3dB passband	135 KHz (typ.)
$f_0 \pm 920\text{KHz} \sim \pm 10\text{MHz}$	50dB min..
Fo-40MHz	45 dB min.
Operating Temperature Range	-20℃to +80℃



4. Test circuit



L1 , L2 , C1 , C2 is TDB

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 $85^{\circ}\text{C} \pm 2^{\circ}\text{C}$ 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 $-25^{\circ}\text{C} \pm 2^{\circ}\text{C}$ 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°C for 30 minutes 25°C for 5 minutes -25°C for 30 minutes) than 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 .
- 5.8 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 $230^{\circ}\text{C} \pm 5^{\circ}\text{C}$ for 5 ± 1 seconds.
- 5.10 orage: The components shall meet the electrical and mechanical specifications after 5 years

storage, if stored within the temperature range of $-20\text{ }^{\circ}\text{C} \sim +60\text{ }^{\circ}\text{C}$ 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.