HD SHOULDER 好达

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：HDF480-3 T039

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

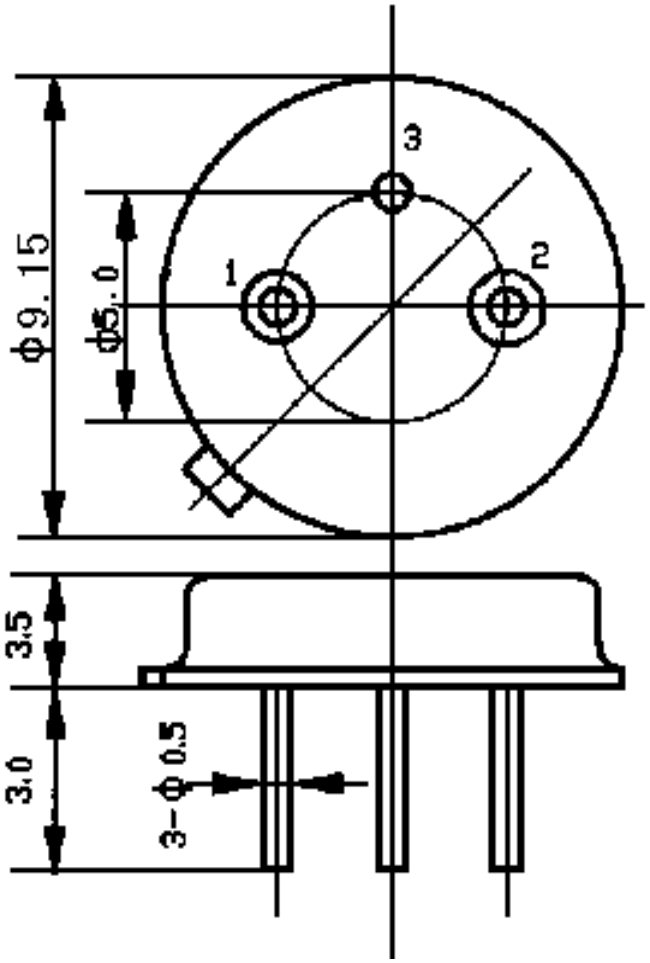
Shoulder Electronics Limited

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

NO.	Function
1	Input/Output
2	Input/Output
3	GND



2.Marking

HDF480-3

Unit:mm

2-1.Color: Black or Blue

2-2.Center Frequency(MHz):480.00MHz

3.Featutes

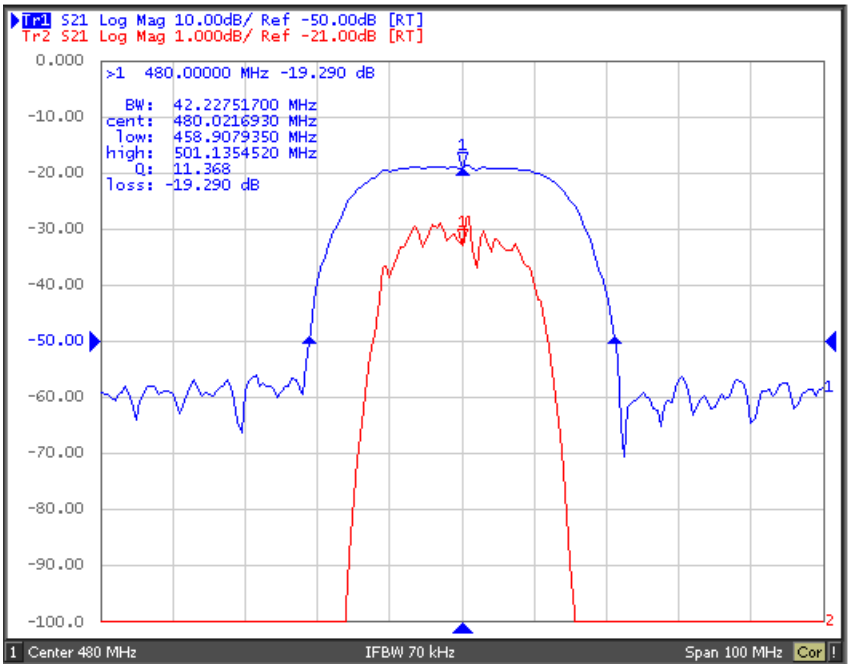
*IF filter for DSB receivers

*Constant group delay

*Improved ESD capability by integrated shunt resistors

*Optimized group delay time

Frequency Characteristics



4.Performance

4-1.Maximum Rating

DC Voltage V_{DC}	0V
AC Voltage V_{PP}	5V(50Hz/60Hz)
Storage Temperature	-40℃to +80℃
Operable Temperature	-25℃to +85℃

4-2 Electronic Characteristics

Preliminary data

Characteristics

Ambient temperance	TA=25℃
Source impedance	ZS=50Ω
load impedance	ZL=50Ω

Characteristics		Minimu	Typical	Maxim	Unit
Insertion attenuation Reference level for the following data	480.00MHz		20.0	21.5	dB
Center frequency	fc	479.00	480.00	481.00	MHz
Pass Bandwidth	BW3	25.6	26.6	27.6	MHz
Relative attenuation	466.5MHz		3.0	4.6	dB
	493.5MHz		3.2	4.6	dB
Lower side lobe	430.0-455.5MHz	40.0	46.0		dB
Upper side lobe	504.5-530.0MHz	38.0	43.0		dB
Reflected wave signal suppression 0.15us-2.0us after main pulse		40.0	46.0		dB
Amplitude ripple	473.50-486.50MHz		0.3	0.5	dB
Group delay	480.00MHz		227.5		ns
Group Delay Ripple	467.00-493.00MHz		8.5	15.0	ns
Impedance at 480.00MHz Input Zin=Rin ‖ Cin output Zout=Rout ‖ Cout			 60 ‖ 4.8 260 ‖ 3.1		 Ω ‖ pF Ω ‖ pF
DC Resistance 	Input Rin Output Rout		500 500		Ω Ω
Temperature coefficient of frequency	TC_f		-86		ppm/k

CAUTION: **Electrostatic Sensitive Device. Observe precautions for handling**