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：HDF480-2B T039

PREPARED 编 制： CHECKED 审 核：

APPROVED 批 准： D A T E 日 期：2012-4-20

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

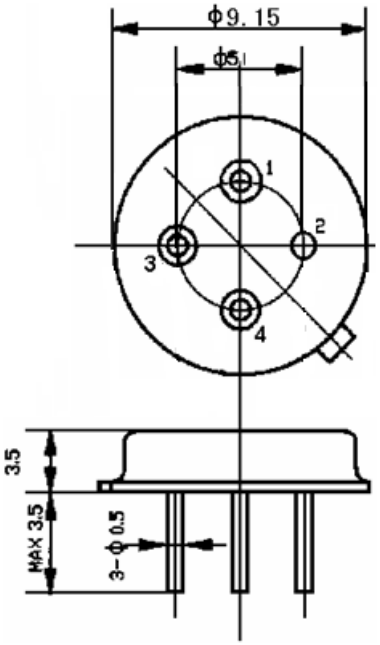
Shoulder Electronics Limited

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 channal 1
2	GND
3	Input channal 2
4	Output



2.Marking

HDF480-2B

Unit:mm

2-1.Color: Black or Blue
2-2.Center Frequency(MHz):479.5MHz

3.Featutes

*IF filter for DSB receivers

*Constant group delay

*Improved ESD capability by integrated shunt resistors

*Optimized group delay time

4.Performance

4-1.Maximum Rating

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

4-2 Electronic Characteristics

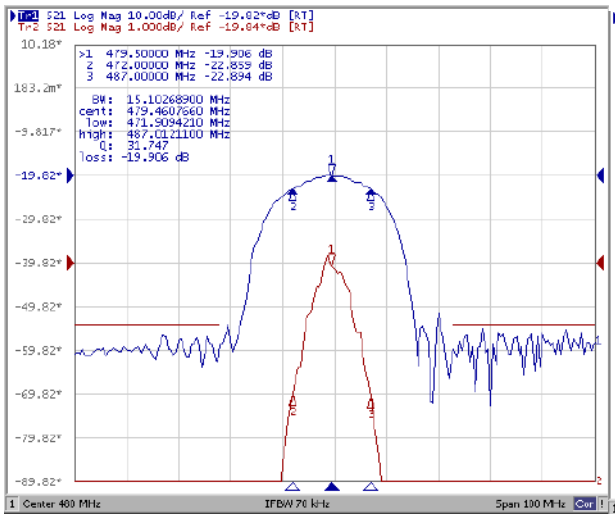
Channel 1

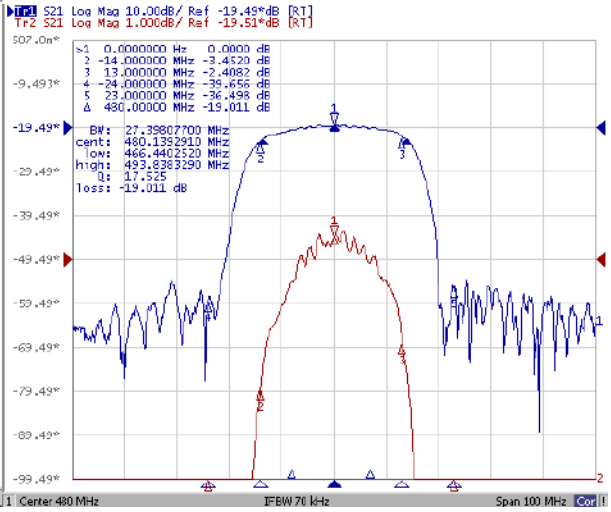
Characteristics		**Mini**	**Typical**	**Maxim**	**Unit**
Center frequency	fc		479.5		MHz
Pass Bandwidth	BW3	-	15.0	-	MHz
Insertion Loss	479.5MHz	-	19.0	-	dB
	472.0MHz			24	
	487.0MHz			24	
Amplitude ripple 475.0-484.0MHz		-	0.6	-	dB
Group delay Ripple 472.0~487.0		-	15	-	ns
Relative attenuation	430.0~458.0 MHz	33	45	-	dB
	503.0~530.0 MHz	33	44	-	dB
Reflected wave signal suppression		40.0	46.0		dB
Impedance at 479.5MHz Input Zin=Rin ‖ Cin output Zout=Rout ‖ Cout			 180 ‖ 3.8 140 ‖ 3.3		 Ω ‖ pF Ω ‖ pF
Temperature coefficient of frequency			-86		ppm/k

Channel 2

Characteristics		Mini	Typical	Maxim	Unit
Center frequency	fc		479.5		MHz
Pass Bandwidth	BW3	-	27.0	-	MHz
InsertionLoss	479.5MHz	-	20.0	-	dB
	466.0MHz			24	dB
	493.0MHz			24	dB
Amplitude ripple	475.0-484.0MHz	-	1.0	-	dB
Group delay Ripple	466.0~493.0	-	15	-	ns
Relative attenuation	430.0~456.0 MHz	33	41.5	-	dB
	503.0~530.0 MHz	33	41.5	-	dB
Reflected wave signal suppression		40.0	44.0		dB
Impedance at 479.5MHz output Zout=Rout ‖ Cout			220 ‖ 4.2		Ω ‖ pF
Temperature coefficient of frequency			-86		ppm/k

Typical Frequency Response





Channel 1 **Channel 2**