规格书编号

SPEC NO :

产品规格书
SPECIFICATION

CUSTOMER 客 户：

PRODUCT 产 品：**LC FILTER**

MODEL NO 型 号：**HD L2010**

PREPARED 编 制：Luopeng　CHECKED 审 核：Houshihong

APPROVED 批 准：CHARLES　D A T E 日 期：2007-01-25

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. FEATURES

Wide selection of cut-off frequencies
Excellent rejection
Custom models available

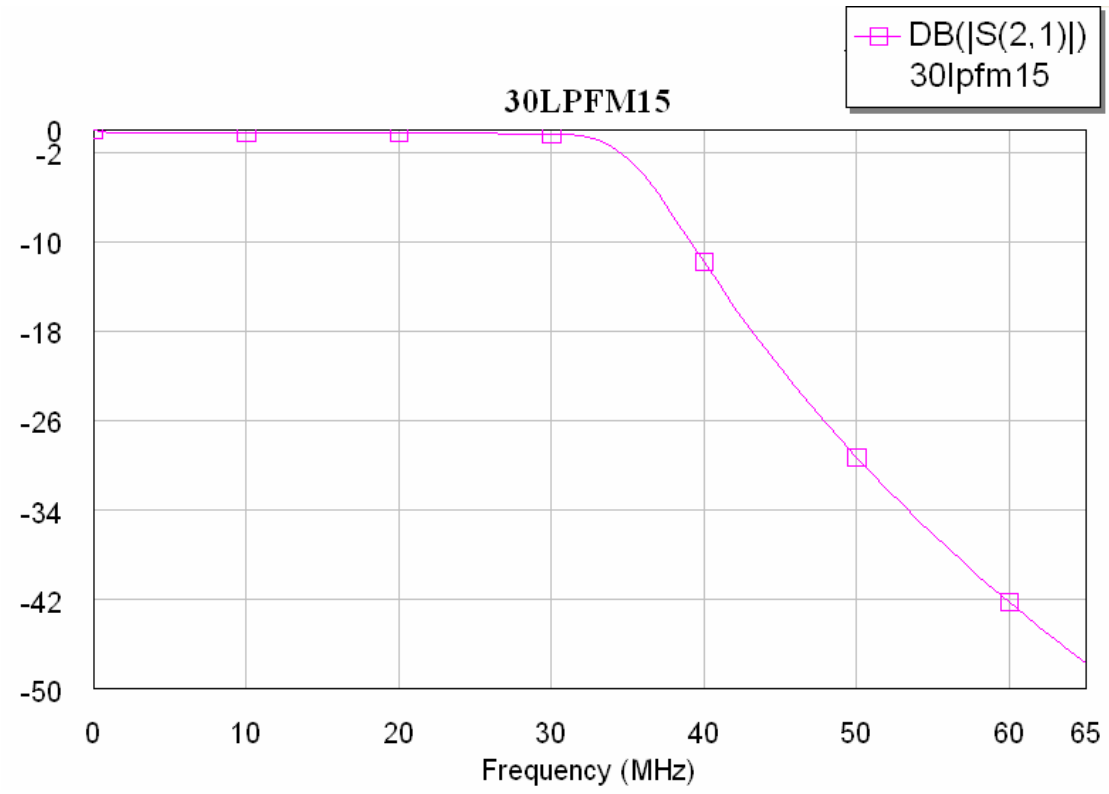
2. APPLICATIONS

Defense communications
Receivers/transmitters
Harmonic rejection of VCOs

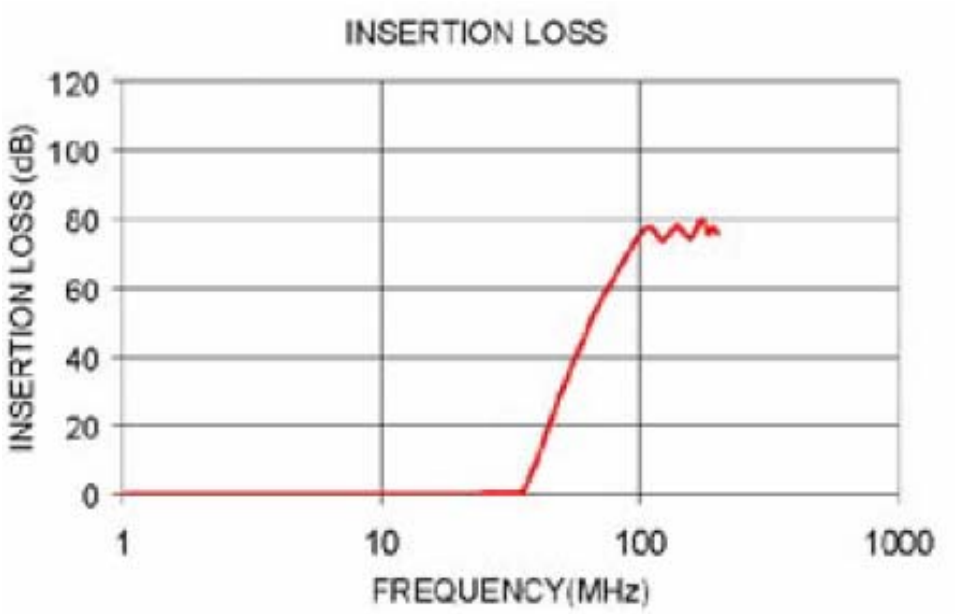
3. ELECTRICAL SPECIFICATION

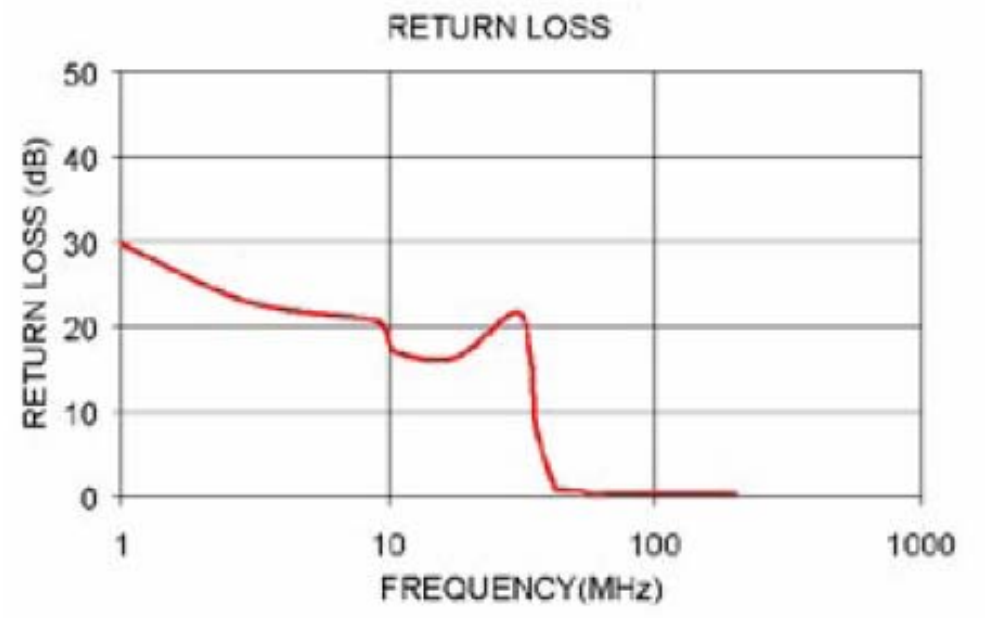
Operation temperature	-40℃ to +85℃
Storage temperature	-55℃ to +100℃
RF Power Input	0.5W max

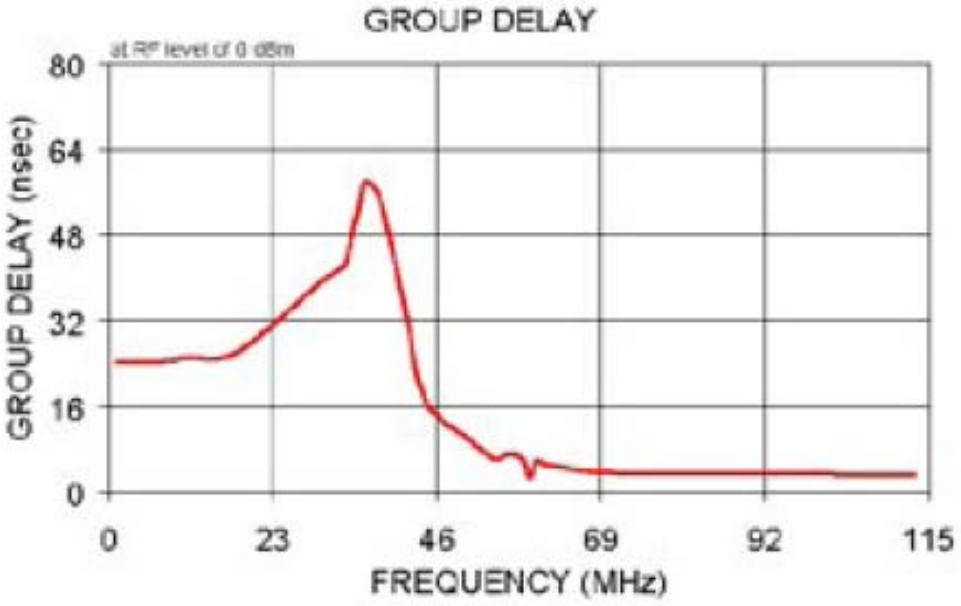
Typical frequency response



Fco(MHz) Nom Loss 3db	PASSBAND (MHz)	STOPBANDS(MHz)		VSWR(:1)	
	Loss<1dB	Loss>20dB	Loss>40dB	Passband Typ.	Stopband Typ.
35	DC-30	47-61	61-200	1.7	18



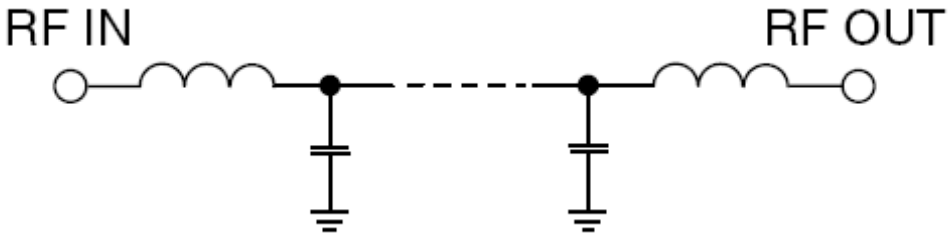



GROUP DELAY
at RF level of 0 dBm
GROUP DELAY (nsec)
80
64
48
32
16
0
0
23
46
69
92
115
FREQUENCY (MHz)

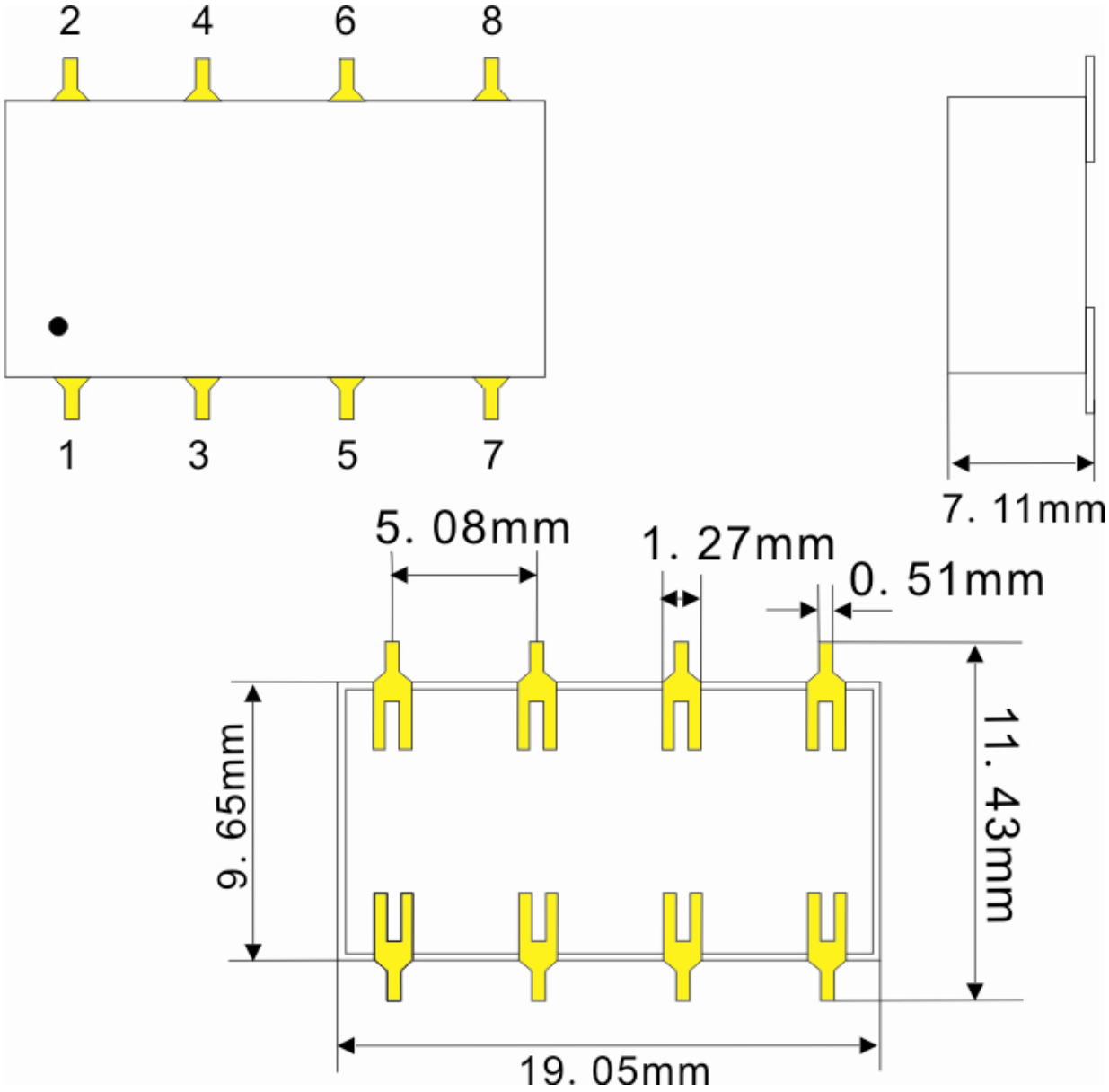
3-2.Electrical characteristics

Frequency (MHz)	Insertion Loss (dB)		Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
	$\bar{x}$	σ			
1.00	0.04	0.10	29.60	1.00	24.20
3.00	0.07	0.10	22.80	3.00	24.20
9.00	0.13	0.10	20.60	9.00	24.50
10.00	0.15	0.10	18.20	10.00	25.00
11.00	0.17	0.10	16.70	11.00	25.20
18.00	0.27	0.10	16.30	18.00	26.10
30.00	0.45	0.10	21.60	30.00	39.50
34.00	0.59	0.10	17.00	33.00	42.30
35.00	0.90	0.20	11.70	34.00	47.70
36.00	1.64	0.50	7.60	35.00	52.80
42.00	14.01	1.80	1.00	36.00	58.10
44.00	18.75	1.70	0.80	38.00	54.80
45.00	20.87	1.70	0.80	42.00	31.20
46.00	22.85	1.60	0.70	43.00	22.80
47.00	24.78	1.60	0.70	44.00	18.50
49.00	28.37	1.50	0.60	45.00	15.50
54.00	36.33	1.40	0.50	46.00	14.40
58.00	41.83	1.10	0.10	47.00	12.90
59.00	43.10	1.10	0.10	49.00	11.30
60.00	44.18	1.10	0.10	51.00	9.20
61.00	45.51	0.90	0.00	54.00	6.20
70.00	55.55	1.50	0.30	56.00	6.90
105.00	77.30	9.90	0.30	58.00	6.20
122.00	73.76	4.40	0.30	59.00	2.70
139.00	78.03	9.10	0.30	60.00	5.80
157.00	74.23	4.80	0.20	61.00	5.20
174.00	79.94	4.80	0.20	70.00	3.60
183.00	75.66	3.00	0.20	96.00	3.40
191.00	77.64	7.00	0.20	105.00	3.20
200.00	75.91	6.00	0.20	113.00	3.10

4.TEST CIRCUIT



5. DIMENSION



1	**INPUT**	**5**	**GROUND**
2	**GROUND**	**6**	**GROUND**
3	**GROUND**	**7**	**GROUND**
4	**GROUND**	**8**	**OUTPUT**