

主要特性

符号	参数	条件	典型值	单位
V_s	直流工作电压		5	V
I_s	直流工作电流		22.8	mA
$ S_{21} ^2$	插入功率增益	$f=1\text{GHz}$	24.6	dB
		$f=2.2\text{GHz}$	26	dB
NF	噪声系数	$f=1\text{GHz}$	3.6	dB
$P_{L(\text{SAT})}$	饱和输出功率	$f=1\text{GHz}$	11.8	dBm
$P_{L1\text{dB}}$	输出 1dB 压缩点	$f=1\text{GHz}$	9.4	dBm
$R_{L\text{IN}}$	输入回波损耗	$f=1\text{GHz}$	12.1	dB
$R_{L\text{OUT}}$	输出回波损耗	$f=1\text{GHz}$	12	dB
$ S_{12} ^2$	隔离度	$f=1\text{GHz}$	34.4	dB
R	输入/输出端口阻抗		50	ohm

应用

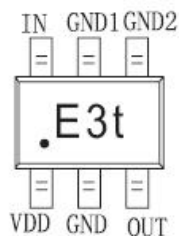
- LNB 中频放大器
- ISM
- 通用放大器

封装形式

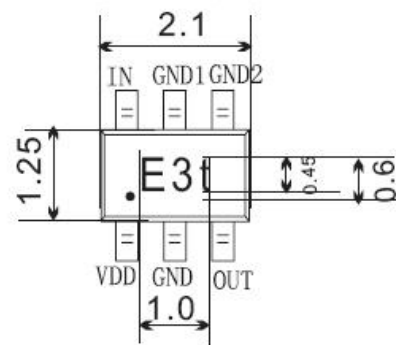
SOT-363

脚位定义:

模板印章

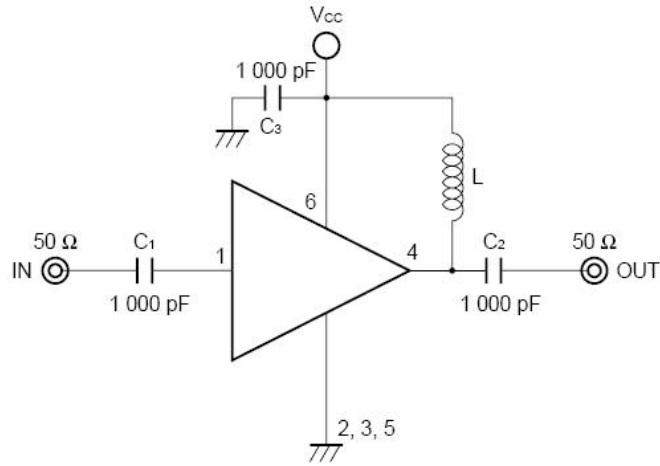


扫描印章



单位: 毫米 (mm)

测试电路



Components of test circuit for measuring electrical characteristics

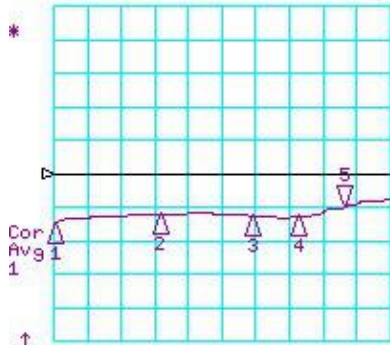
	TYPE	VALUE
C ₃	Capacitor	1 000 pF
L	Bias Tee	100 nH
C ₁ to C ₂	Bias Tee	1 000 pF

产品特性

V_{cc}= 5V, Pin= -30dBm

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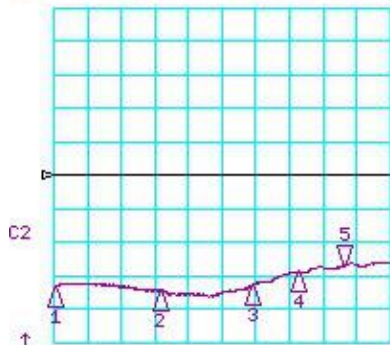
CH1 LOG 10 dB/ REF 0 dB
S11 5:-10.143 dB 2 600.000 000 MHz



CH1 Markers
1:-15.083 dB
100.000 MHz
2:-12.131 dB
1.00000 GHz
3:-12.593 dB
1.80000 GHz
4:-12.593 dB
2.20000 GHz
5:-10.143 dB
2.60000 GHz

START 100.000 MHz STOP 3000.000 MHz

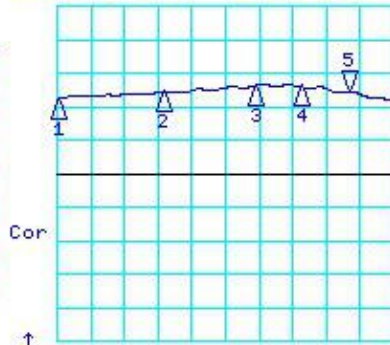
CH3 LOG 10 dB/ REF 0 dB
S12 5:-27.045 dB 2 600.000 000 MHz



CH3 Markers
1:-33.446 dB
100.000 MHz
2:-34.442 dB
1.00000 GHz
3:-33.209 dB
1.80000 GHz
4:-28.957 dB
2.20000 GHz
5:-27.045 dB
2.60000 GHz

START 100.000 MHz STOP 3000.000 MHz

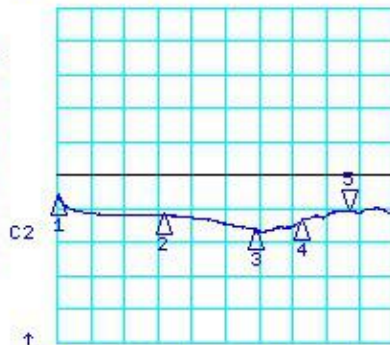
CH2 LOG 10 dB/ REF 0 dB
S21 5: 24.420 dB 2 600.000 000 MHz



CH2 Markers
1: 22.215 dB
100.000 MHz
2: 24.659 dB
1.00000 GHz
3: 26.225 dB
1.80000 GHz
4: 26.017 dB
2.20000 GHz
5: 24.420 dB
2.60000 GHz

START 100.000 MHz STOP 3000.000 MHz

CH4 LOG 10 dB/ REF 0 dB
S22 5:-10.516 dB 2 600.000 000 MHz



CH4 Markers
1:-6.3648 dB
100.000 MHz
2:-11.980 dB
1.00000 GHz
3:-16.412 dB
1.80000 GHz
4:-13.692 dB
2.20000 GHz
5:-10.516 dB
2.60000 GHz

START 100.000 MHz STOP 3000.000 MHz

S 参数测试