



修订记录 / Revised record

A	2020.08.21		LRC-LMUN5314DW1T1G		
B	2021-11-25	6			



描述 / Description

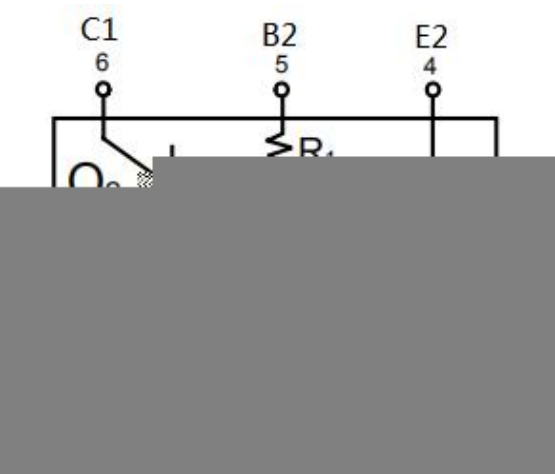
SOT-363 NPN+PNP
Double silicon NPN and PNP transistor in a SOT-363 Plastic Package

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With built-in bias resistors, simplify circuit design, reduce a quantity of parts and manufacturing process, Halogen-free Product.

字 字

Switching applications, interface circuit and driver circuit applications.



放大及印章代码 / hFE Classifications & Marking

Marking	H314
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1000



Parameter	Symbol	Rating	Unit
Output Voltage	V_{CC}	50	V
Input Voltage	V_{IN}	40	V
		-6	V
Output Current	I_C	100	mA
	I_O	70	mA
Power Dissipation	P_C	200	mW
Junction Temperature	T_j	150	°C
Storage Temperature Range	T_{stg}	-55~150	°C

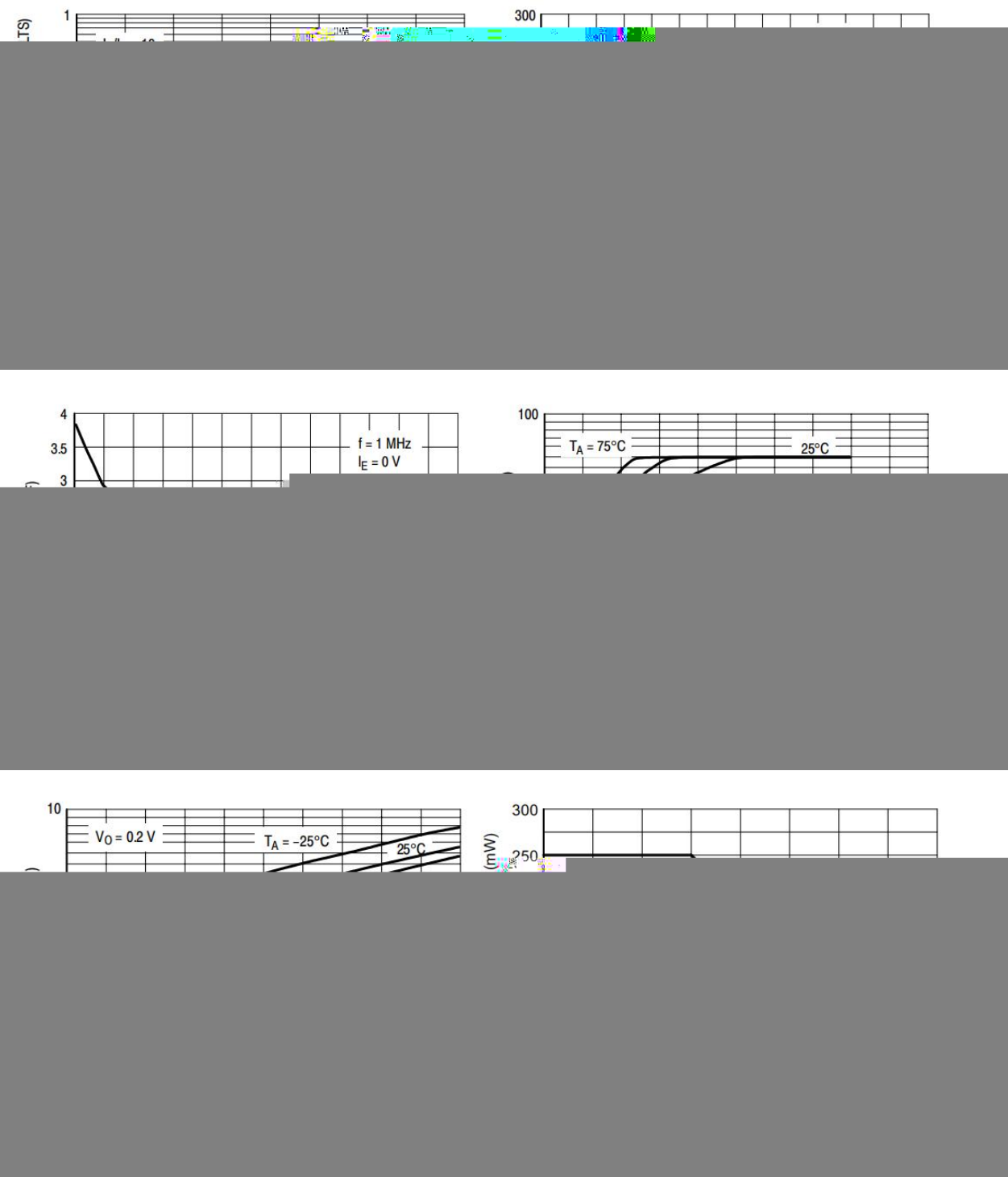
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Input Voltage(OFF)	$V_{I(off)}$	$v_{CC}=5.0V$ $I_O=100\mu A$			0.3	V
Input Voltage(ON)	$V_{I(on)}$	$V_O=0.3V$ $I_O=1mA$	1.4			V
Output Voltage	$V_{O(on)}$	$I_O=5mA$ $I_I=0.25mA$		0.1	0.3	V



Parameter	Symbol	Rating	Unit
Output Voltage	V_{CC}	-50	V
Input Voltage	V_{IN}	-40	V
		6.0	V
Output Current	I_C	-100	mA
	I_O	-70	mA
Power Dissipation	P_C	200	mW
Junction Temperature	T_j	150	°C
Storage Temperature Range	T_{stg}	-55~150	°C

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Input Voltage(OFF)	$V_{I(off)}$	$V_{CC}=-5.0V$ $I_O=-100\mu A$			-0.3	V
Input Voltage(ON)	$V_{I(on)}$	$V_O=-0.3V$ $I_O=-1.0mA$	-1.4			V

电参数曲线图 / Electrical Characteristic Curve(NPN)

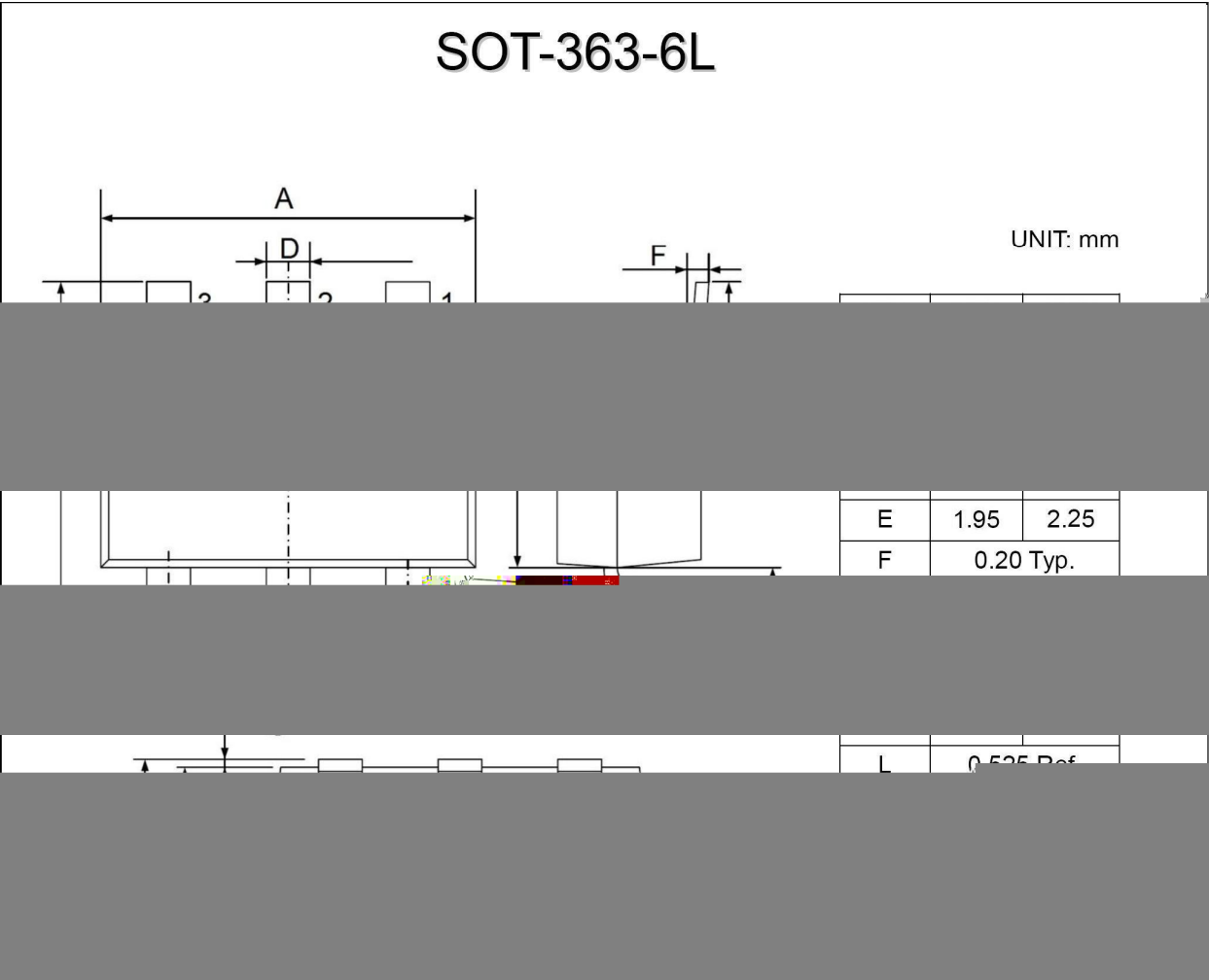


BRMUN5314WS

Rev.B Nov.-2021

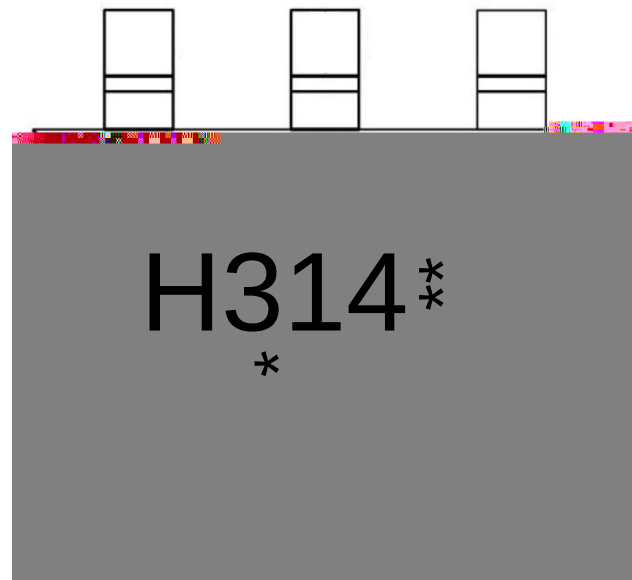
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外形尺寸图 / Package Dimensions





印章说明 / Marking Instructions



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H314

***:

Note:



"1" Pin

H314

Product Type Code

***:

Lot No. Code, code change with Lot No.



回流焊温度曲线图(无铅) / Temperature Profile for IR Reflow Soldering(Pb-Free)

Note:

- 1 150 180 60 90sec;
 2 245±5 5±0.5sec;
 3 2 10°C/sec.

- 1.Preheating:150~180°C, Time:60~90sec.
 2.Peak Temp.:245±5°C, Duration:5±0.5sec.
 3. Cooling Speed: 2~10°C/sec.

耐焊接热试验条件 / Resistance to Soldering Heat Test Conditions

260±5°C

10±1 sec.

Temp.:260±5°C

Time:10 sec

包装规格 / Packaging SPEC.

/ REEL

Package Type 封装形式	Units 包装数量	Dimension 包装尺寸 (unit)
只 卷盘	只 盒	只 箱
卷盘 盒	盒 箱	只 箱