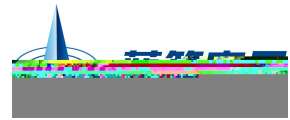




A	2018-12-18				
B	2019-4-20				
C	2019-7-24	1			
D	2021-10-26	4			

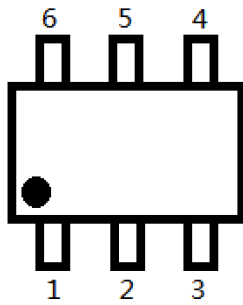
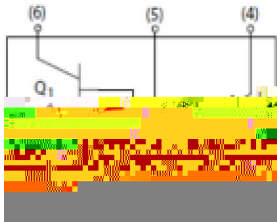


SOT-363 NPN+PNP

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

Ideal for Low Power Amplification and Switching.HF Product.

Power amplifier application.



Pin 1: E2	Pin 4: E1
Pin 2: B2	Pin 5: B1
Pin 3: C1	Pin 6: C2

See Marking Instructions.



@ TA = 25\_C unless otherwise specified

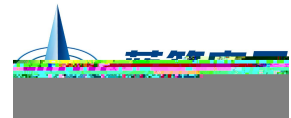
参数 Parameter	符号 Symbol	数值 Rating	单位 Unit
Total Power Dissipation	$P_d$	200	mW
Thermal Resistance, Junction to Ambient	$R_{\theta JA}$	625	$^{\circ}C/W$
Operating and Storage and Temperature Range	$T_j, T_{STG}$	-55~150	$^{\circ}C$

参数 Parameter	符号 Symbol	数值 Rating	单位 Unit
Collector to Base Voltage	$V_{CBO}$	75	V
Collector to Emitter Voltage	$V_{CEO}$	40	V
Emitter to Base Voltage	$V_{EBO}$	6.0	V
Collector Current	$I_C$	600	mA

参数 Parameter	符号 Symbol	数值 Rating	单位 Unit
Collector to Base Voltage	$V_{CBO}$	-60	V
Collector to Emitter Voltage	$V_{CEO}$	-60	V
Emitter to Base Voltage	$V_{EBO}$	-5.0	V
Collector Current	$I_C$	-600	mA

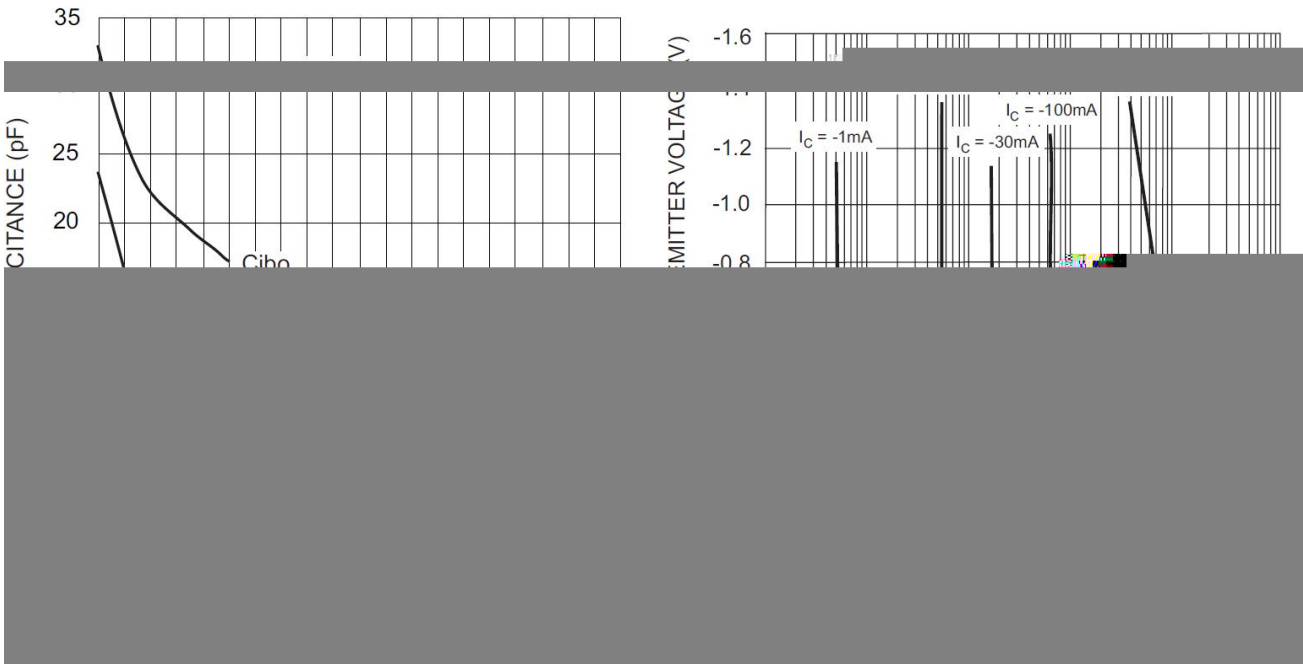
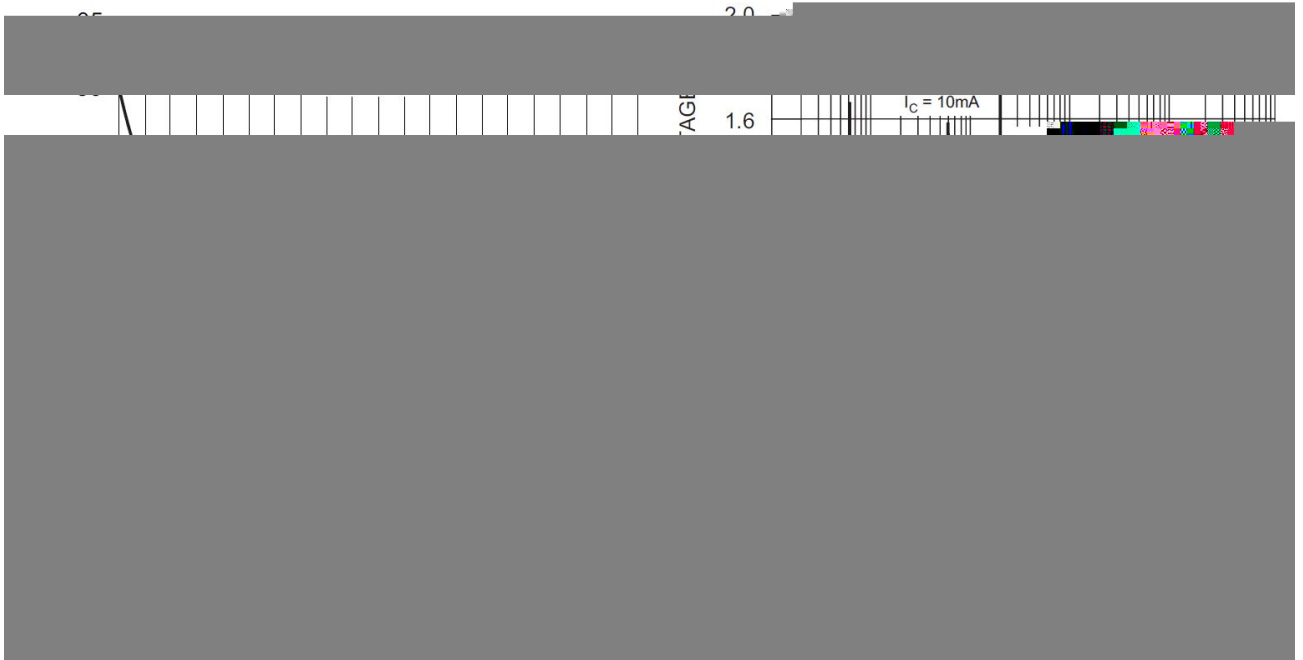


Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector-Base Breakdown Voltage	$V_{CBO}$	$I_C = 10 \text{ A}$	75	I		V



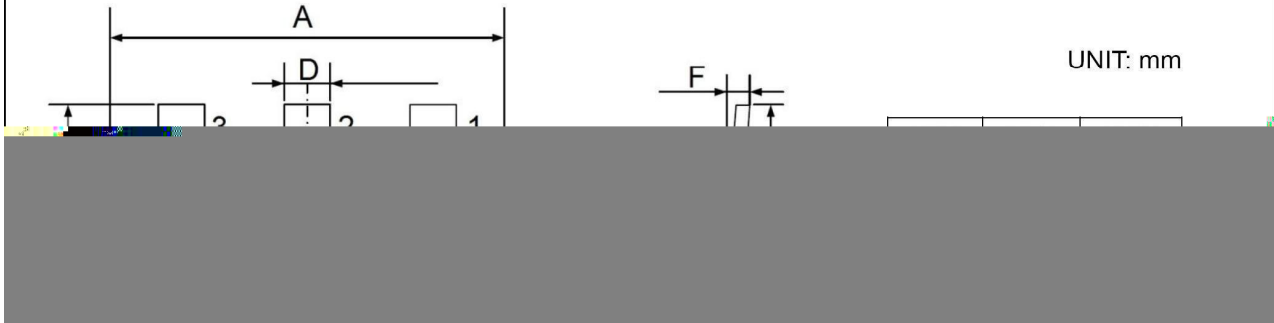
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Base Breakdown Voltage	$V_{CBO}$	$I_C = -10\mu A$ $I_E = 0$	-60			V
Collector to Emitter Breakdown Voltage	$V_{CEO}$	$I_C = -10mA$ $I_B = 0$	-60			V
Emitter to Base Breakdown Voltage	$V_{EBO}$	$I_E = -10\mu A$ $I_C = 0$	-5.0			V
Collector Cut-Off Current	$I_{CBO}$	$V_{CB} = -50V$ $I_E = 0$			-0.01	$\mu A$
	$I_{CBO}$	$V_{CB} = -50V$ $I_E = 0$ $T = 125^\circ C$			10	$\mu A$

Collector Cutoff Current  $I_{CE}$





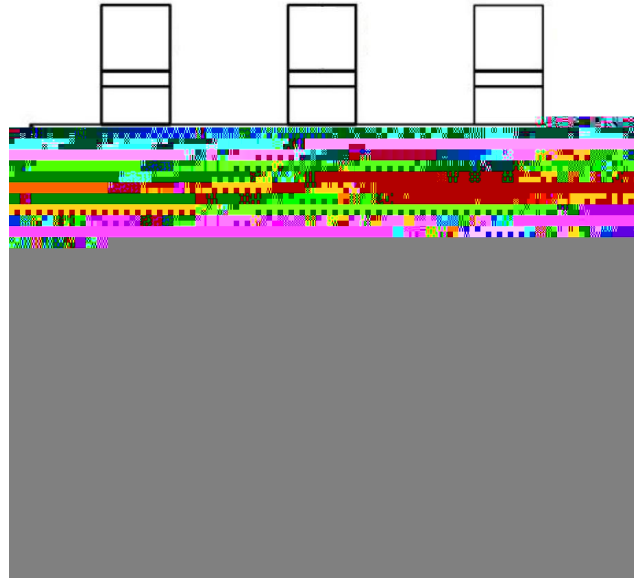
# SOT-363-6L



E	1.95	2.25
F	0.20 Typ.	



L	0.525 Ref.	
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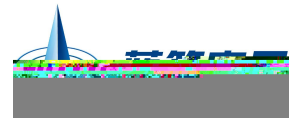


Note:



Product Type Code

Lot tD    ww



**Temperature Profile for IR Reflow Soldering(Pb-Free)**


**Note:**

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

260±5°C                      10±1 sec.                      Temp.:260±5°C                      Time:10±1 sec

/ REEL

Package Type	Units					Dimension (unit mm <sup>3</sup> )		
	Units/Reel 只/卷盘	Reels/Inner Box 卷盘/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Reel	Inner Box	Outer Box
SOT-363	3,000	10	30,000	6	180000	7" x8	180×120×180	390×385×205