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Silicon PNP transistor in a SOT-89 Plastic Package.

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Low voltage, high current, Complementary to BC868.

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Low voltage, high current applications.

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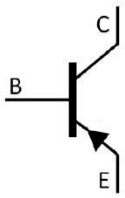

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PIN1 Base PIN 2 Collector PIN 3 Emitter

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Marking	HCEC

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Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	-32	V
Collector to Emitter Voltage	V_{CEO}	-20	V
Emitter to Base Voltage	V_{EBO}	-5.0	V
Collector Current-Continuous	I_C	-1.0	A
Peak Collector Current	I_{CM}	-2.0	A
Peak Base Current	I_{BM}	-200	mA
Collector Power Dissipation	P_C	1.35	W
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

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Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector Cut-Off Current	I_{CBO}	V_{CB}=-25V I_E=0			-0.1	μA
Emitter Base Cut-Off Current	I_{EBO}	V_{EB}=-5.0V I_C=0			-0.1	μA
DC Current Gain	$h_{FE(1)}$	V_{CE}=-1.0V I_C=-500mA	100		375	
	$h_{FE(2)}$	V_{CE}=-10V I_C=-5.0mA	50			
	$h_{FE(3)}$	V_{CE}=-1.0V I_C=-1.0A	60			
Collector to Emitter Saturation Voltage	$V_{CE(sat)}$	I_C=-1.0A I_B=-100mA			-500	mV
Base to Emitter Voltage	$V_{BE(1)}$	I_C=-5.0mA V_{CE}=-10V		-620		mV
	$V_{BE(2)}$	I_C=-1.0A V_{CE}=-1.0V			-1.0	V
Transition Frequency	f_T	V_{CE}=-5.0V I_C=-10mA f=100MH$_Z$	40			MHz

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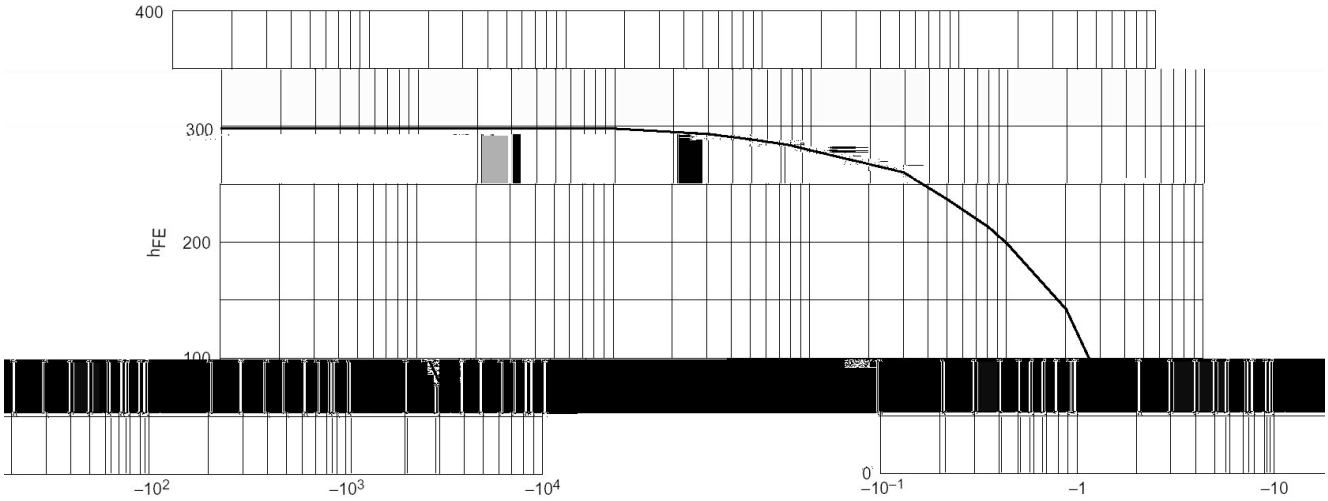

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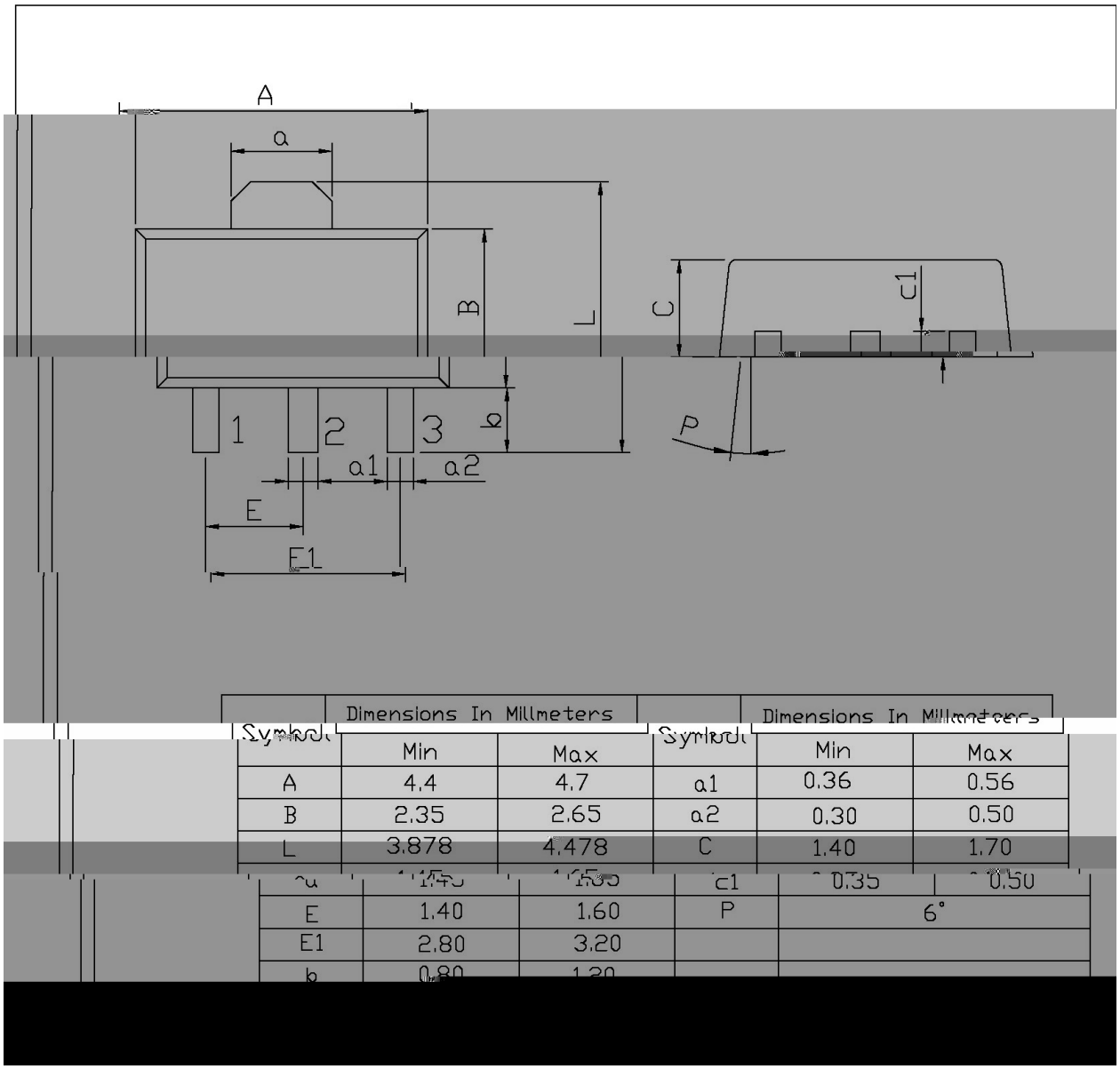
SOT-89

单位：mm



Symbol	Dimensions In Millmeters		Symbol	Dimensions In Millmeters	
	Min	Max		Min	Max
A	4.4	4.7	a1	0.36	0.56
B	2.35	2.65	a2	0.30	0.50
L	3.878	4.478	C	1.40	1.70
a	1.45	1.65	c1	0.35	0.50
E	1.40	1.60	P	6°	
E1	2.80	3.20			
b	0.80	1.20			

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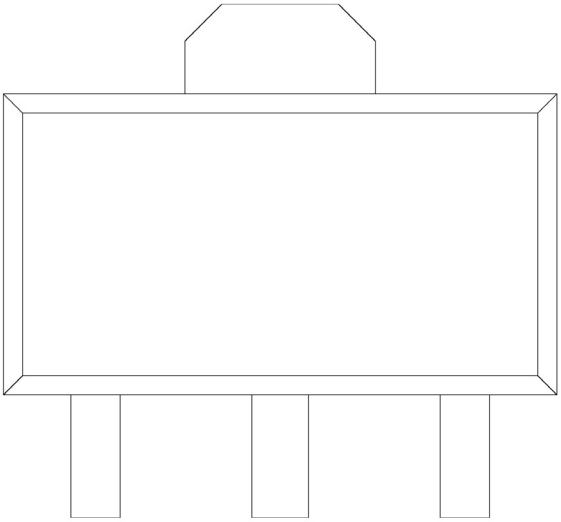

H

CEC

Note:

H: Company Code.

CEC: Product Type.

**: Lot No. Code, code change with Lot No.

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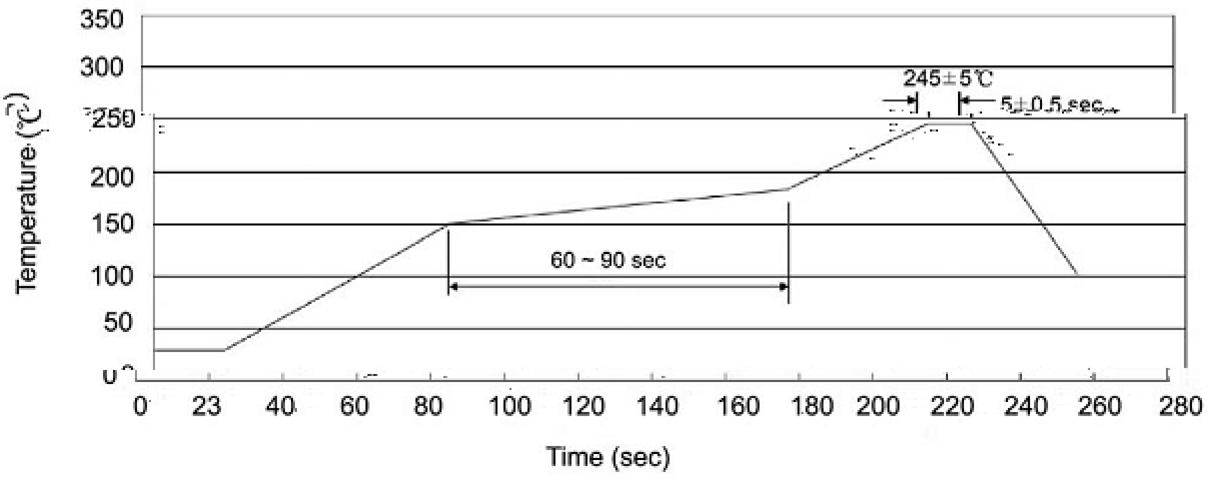

	Note:
1 25 150 60 90sec;	1.Preheating:25~150 , Time:60~90sec.
2 245 5 5 0.5sec;	2.Peak Temp.:245 5 , Duration:5 0.5sec.
3 2 10 /sec.	3. Cooling Speed: 2~10 /sec.

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

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/ REEL

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm^3)		
	只/卷盘	卷盘/盒	只/盒	盒/箱	只/箱		盒	箱
						″		

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