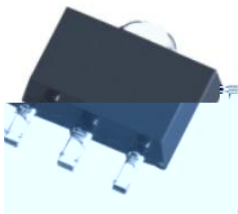
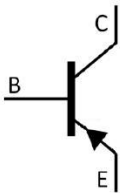


SOT-89 PNP Silicon PNP transistor in a SOT-89 Plastic Package.

h_{FE} $V_{CE(sat)}$
High DC Current Gain, Low Collector to Emitter Saturation Voltage.

General purpose amplifier and switching.



PIN1 Base PIN 2 Collector PIN 3 Emitter

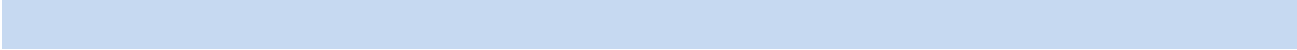
h_{FE} Range	100 300
Marking	H2A *

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	-40	V
Collector to Emitter Voltage	V_{CEO}	-40	V
Emitter to Base Voltage	V_{EBO}	-5.0	V
Collector Current - Continuous	I_C	-200	mA
Collector Power Dissipation	P_C	450	mW
Junction Temperature	T_J	150	
Storage Temperature Range	T_{stg}	-55 150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Base Breakdown Voltage	V_{CBO}	$I_C = -10mA$ $I_E = 0$	-40			V
Collector to Emitter Breakdown Voltage	V_{CEO}					

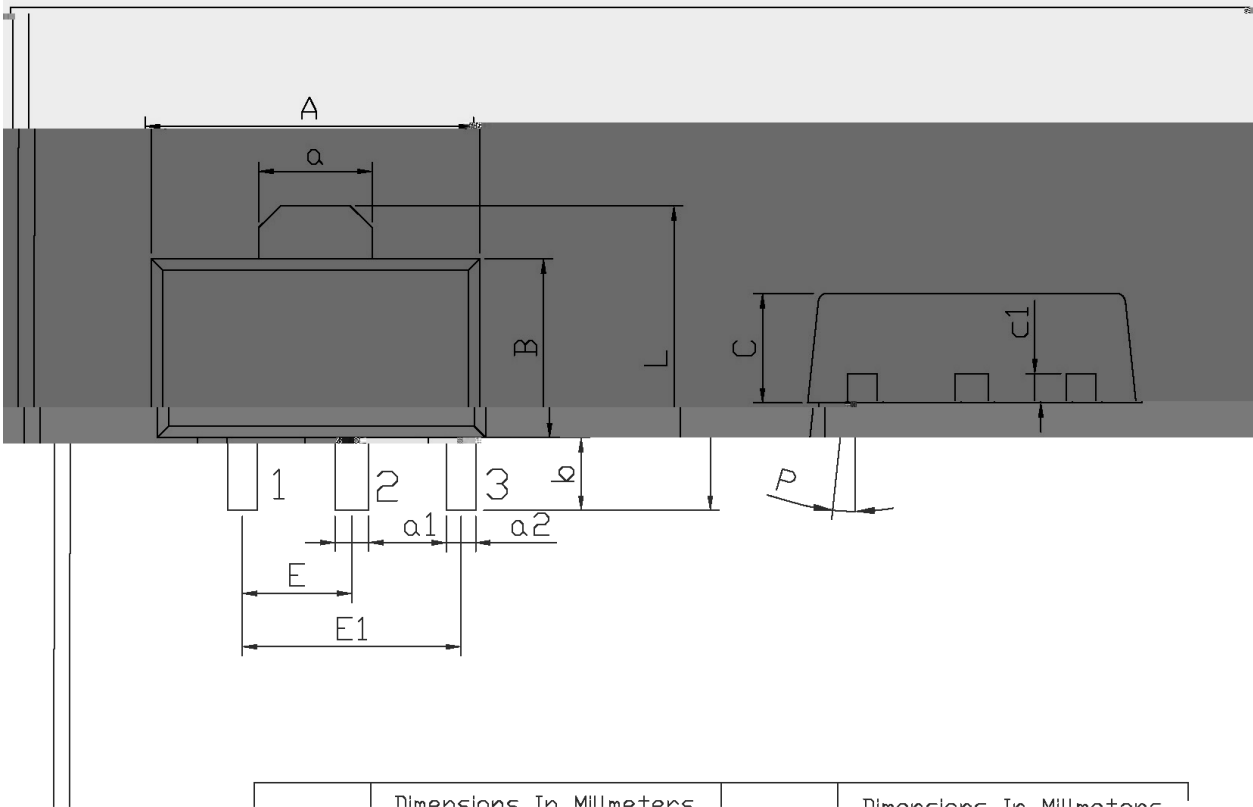
-

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Transition Frequency	f_T	$I_C = -10\text{mA}$ $V_{CE} = -20\text{V}$ $f = 100\text{MHz}$	250			MHz
Collector Output Capacitance	C_{ob}	$V_{CB} = -5.0\text{V}$ $f = 1.0\text{MHz}$			4.5	pF
Storage Time	t_{stg}	$V_{CC} = -3.0\text{V}$ $I_C = -10\text{mA}$ $I_{B1} = -I_{B2} = -1.0\text{mA}$			225	ns
Fall Time	t_f	$V_{CC} = -3.0\text{V}$ $I_C = -10\text{mA}$ $I_{B1} = -I_{B2} = -1.0\text{mA}$			75	ns
Delay Time	t_d	$V_{CC} = -3.0\text{V}$ $V_{BE} = -0.5\text{V}$ $I_C = -10\text{mA}$ $I_{B1} = -1.0\text{mA}$			35	ns
Rise Time	t_r	$V_{CC} = -3.0\text{V}$ $V_{BE} = -0.5\text{V}$ $I_C = -10\text{mA}$ $I_{B1} = -1.0\text{mA}$			35	ns
Input Capacitance	C_{ib}	$V_{EB} = -0.5\text{V}$ $f = 1.0\text{MHz}$			10	pF

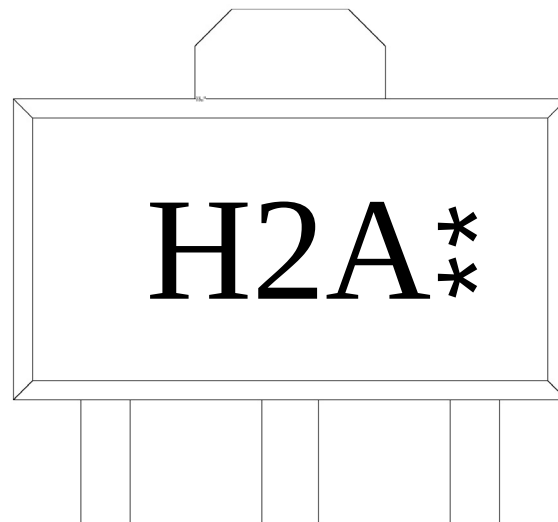


SOT-89

单位: mm



Dimensions In Millimeters			Dimensions In Millimeters		
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	a1	0.35	0.50
E	1.40	1.60	P	6°	
E1	2.80	3.20			
b	0.80	1.20			



H

2A

**

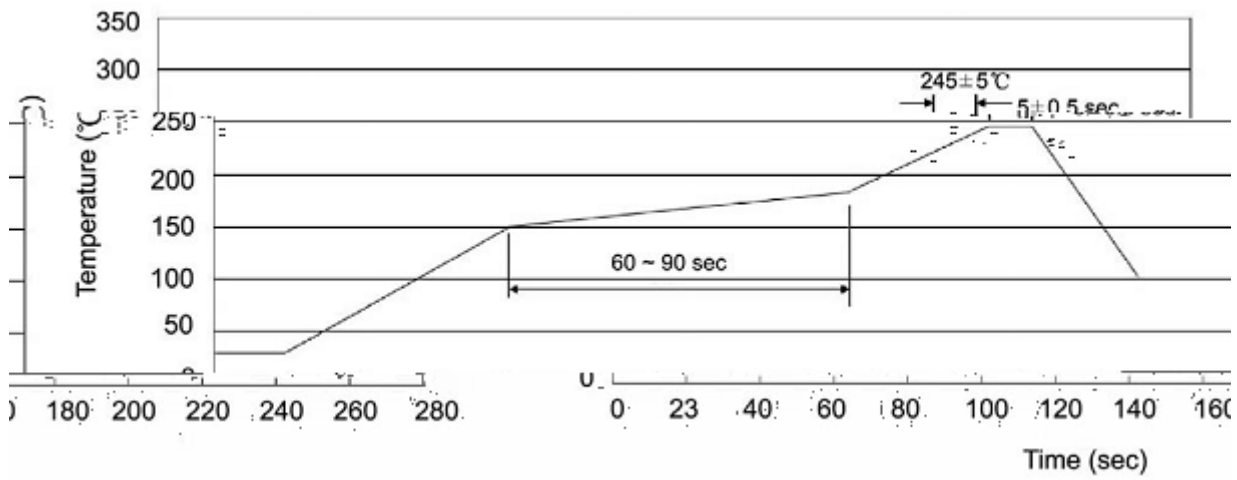
Note:

H: Company Code.

2A: Product Type.

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

Whp shudwxuh Suriloh i ru LU Uhior z Vroghulqj+Se0luhh,



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.

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

/ 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