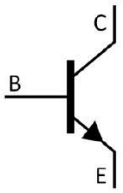
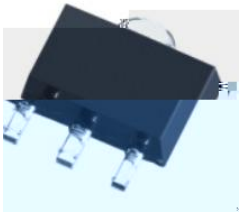
SOT-89 NPN Silicon NPN transistor in a SOT-89 Plastic Package.

, KTA1666

Low saturation voltage, high speed switching time, small flat package Complementary to KTA1666. HF Product.

Power amplifier and switching applications.

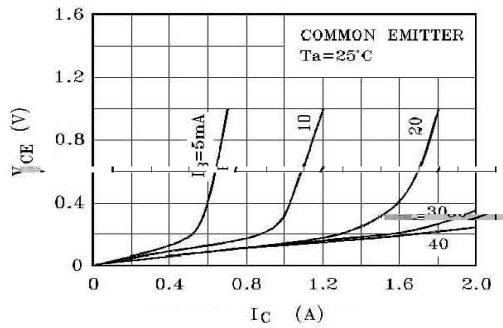




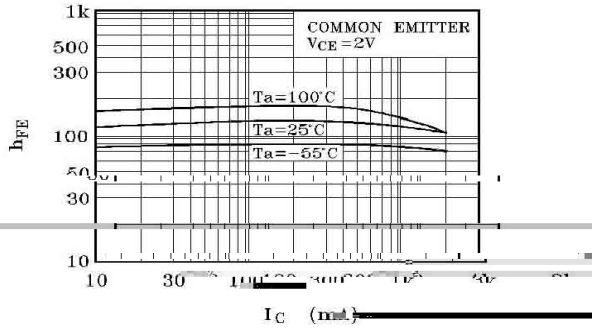
PIN1 Base PIN 2 Collector PIN 3

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	50	V
Collector to Emitter Voltage	V_{CEO}	50	V
Emitter to Base Voltage	V_{EBO}	5.0	V
Collector Current - Continuous	I_C	2.0	A
Collector Base – Continuous	I_B	0.4	A
Collector Power Dissipation	P_C	500	mW
Collector Power Dissipation*	$*P_C$	1	W
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}		

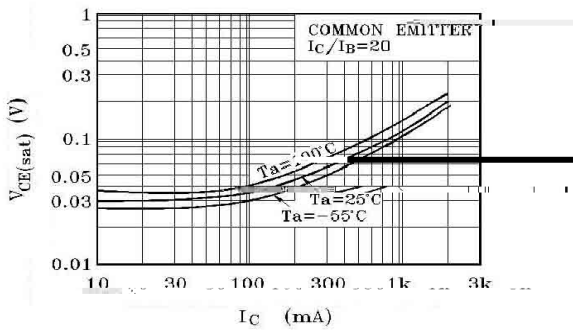
V_{CE} – I_C



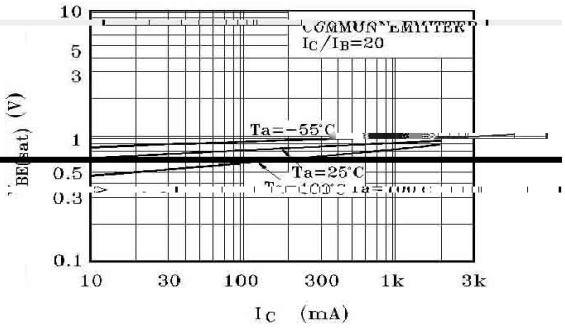
h_{FE} – I_C



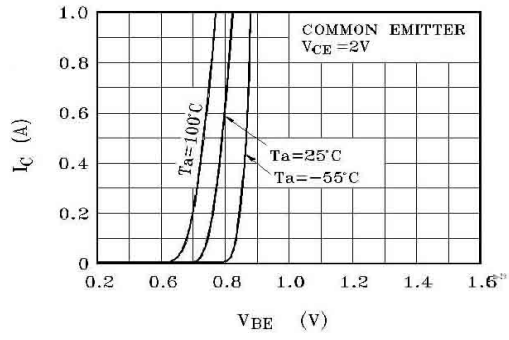
$V_{CE(sat)}$ – I_C



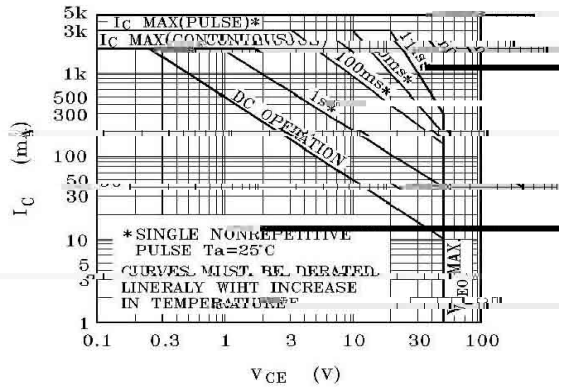
$V_{BE(sat)}$ – I_C



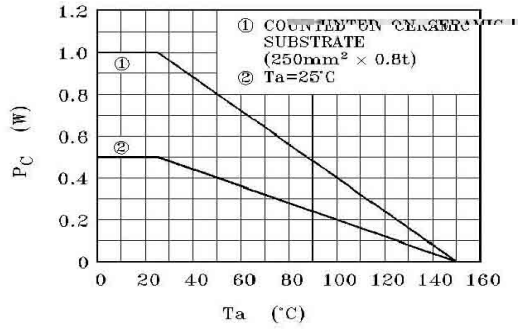
I_C – V_{BE}

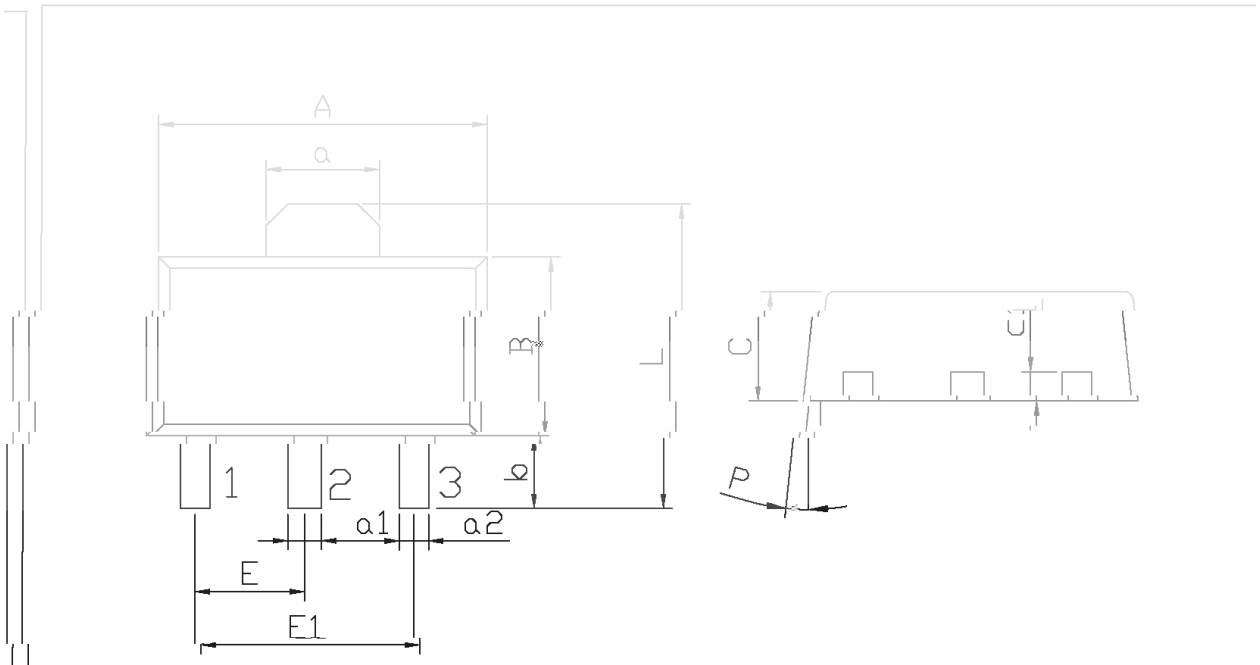


SAFE OPERATING AREA

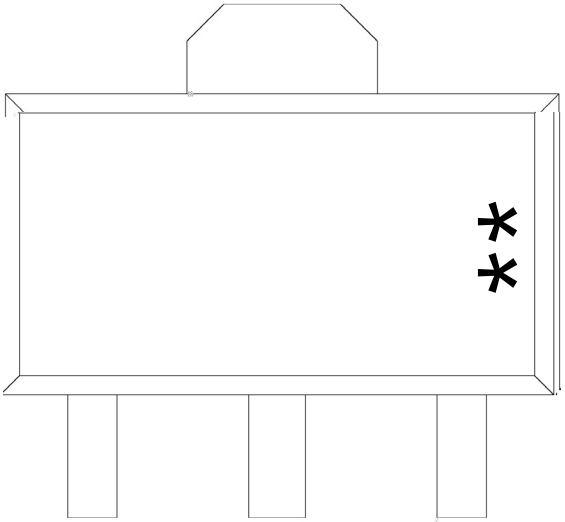


P_C – Ta





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			



H

M

O h_{FE}

**

Note:

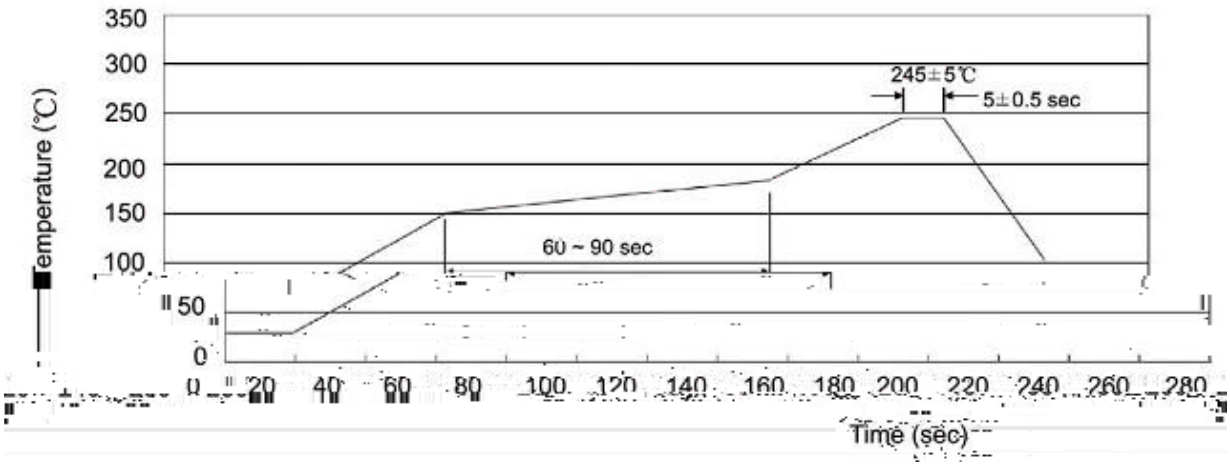
H: Company Code.

M: Product Type.

O h_{FE} Classifications Symbol

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

Wh p shrdwxrh Prriioh irr IU Uhiorw Vroghriqj+Pe-Frhh,



Note:

1 150 180 60 90sec;

1.Preheating:150~180 , 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)		
	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 盒	Outer Box 箱
SOT-89	1,000	7	7,000	6	42,000	7 ×12	180×120×180	390×385×205