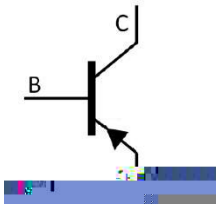
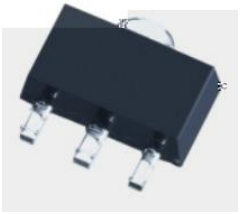
9 5 : .> / / x 6 4 6 ! - } â ’ož Silicon PNP transistor in a SOT-89 Plastic Package.

ó 9 äož
High voltage.

ä 9 O ò èož
High voltage control circuit.

Ã W] Ô · / Equivalent Circuit





PIN1 y Base PIN 2

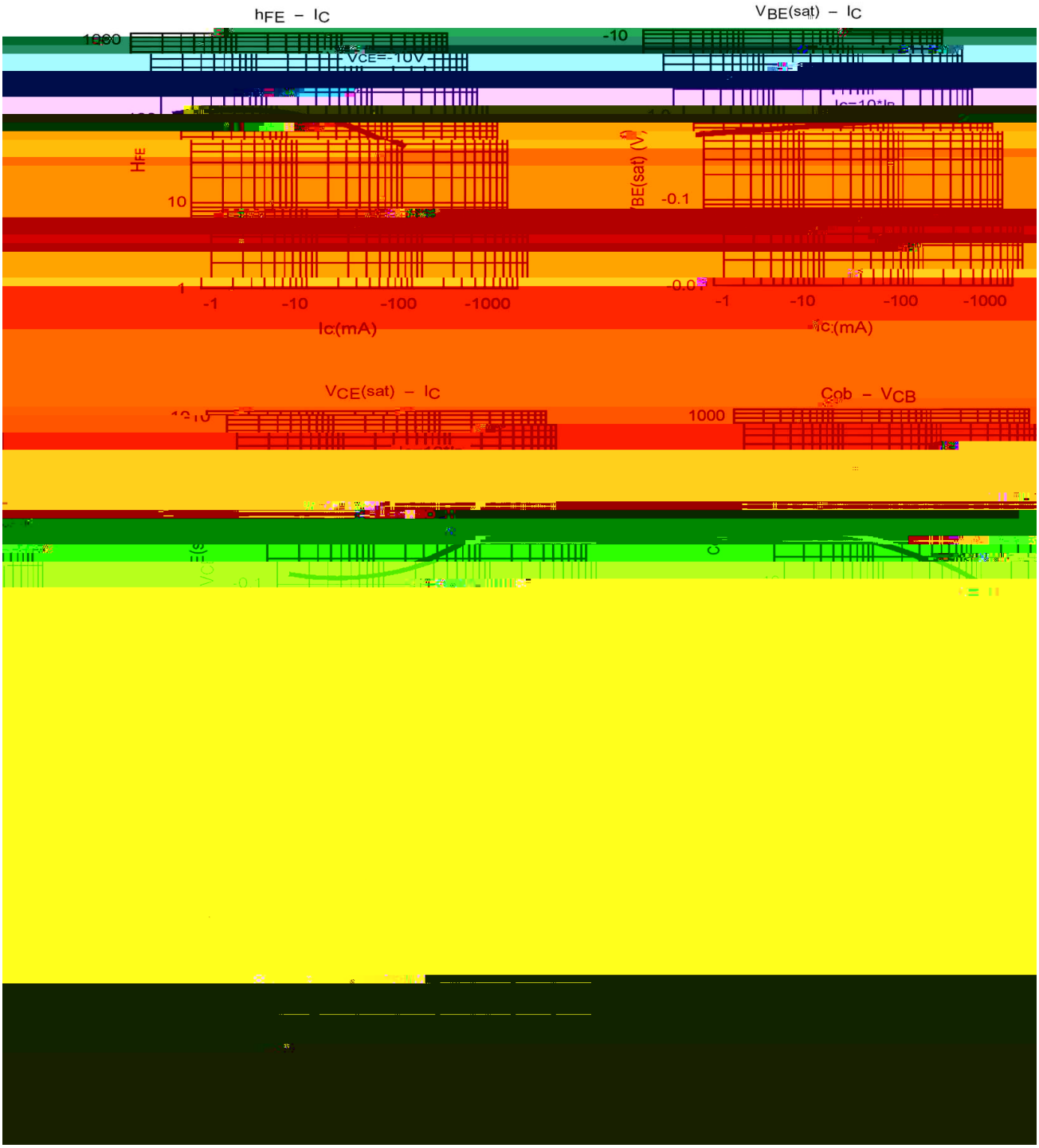
Ã a ? d / Absolute Maximum Ratings(Ta=25 ;)

@ ƒ Parameter	… Z Symbol	ƒ › Rating	% y Unit
Collector to Base Voltage	V_{CBO}	-400	V
Collector to Emitter Voltage	V_{CEO}	-400	V
Emitter to Base Voltage	V_{EBO}	-5.0	V
Collector Current - Continuous	I_C	-300	mA
Collector Power Dissipation	P_C	500	mW
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

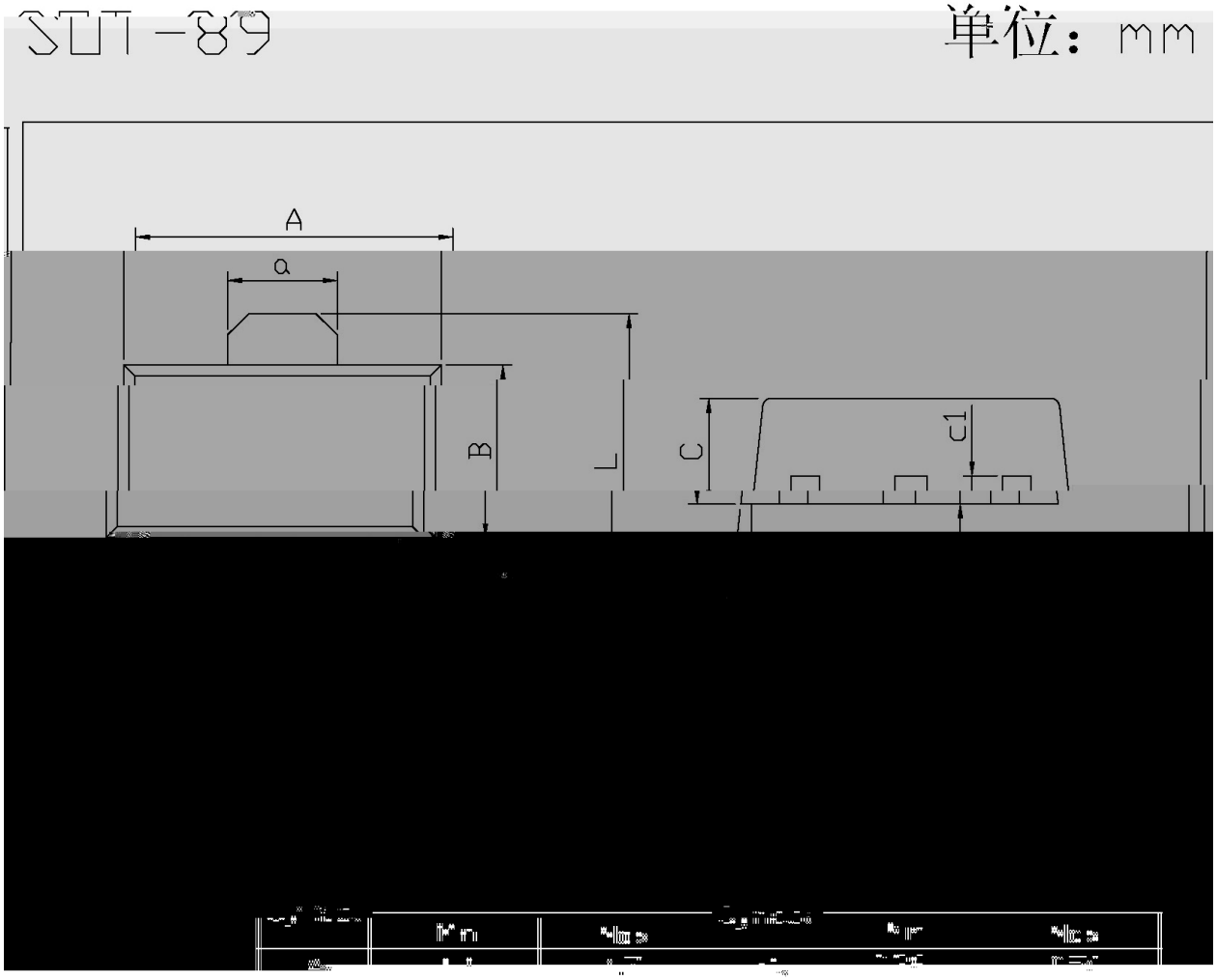
Ô4ì × ? d / Electrical Characteristics(Ta=25 ;)

@ ƒ Parameter	… Z Symbol	y ¡ Ú ^ Test Conditions	Â 4 › Min	Á º › Typ	Â Ý › Max	% y Unit
Collector to Base Breakdown Voltage	V_{CBO}	I_C=-100 A I_E=0	-400			V
Collector to Emitter Breakdown Voltage	V_{CEO}	I_C=-1.0mA I_B=0	-400			V
Emitter to Base Breakdown Voltage	V_{EBO}	I_E=-100 A I_C=0	-5.0			V
Collector Cut-Off Current	I_{CBO}	V_{CB}=-300V I_E=0			-0.1	A
Emitter Cut-Off Current	I_{CES}	V_{CE}=-400V V_{BE}=0			-1	A
Emitter Base Cut-Off Current	I_{EBO}	V_{EB}=-4.0V I_C=0			-0.1	A
DC Current Gain	$h_{FE(1)}$	V_{CE}=-10V I_C=-10mA	80		300	
	$h_{FE(2)}$	V_{CE}=-10V I_C=-1.0mA	70			
	$h_{FE(3)}$	V_{CE}=-10V I_C=-100mA	40			
Collector to Emitter Saturation Voltage	$V_{CE(sat)\ (1)}$	I_C=-10mA I_B=-1.0mA			-0.2	V
	$V_{CE(sat)\ (2)}$	I_C=-50mA I_B=-5.0mA			-0.3	V
Emitter to Base Saturation Voltage	$V_{BE(sat)}$	I_C=-10mA I_B=-1.0mA			-0.75	V
Transition Frequency	f_T	V_{CE}=-5.0V I_C=-10mA f=30MHz	50			MHz

Ô ? d • Ž ¢ / Electrical Characteristic Curve

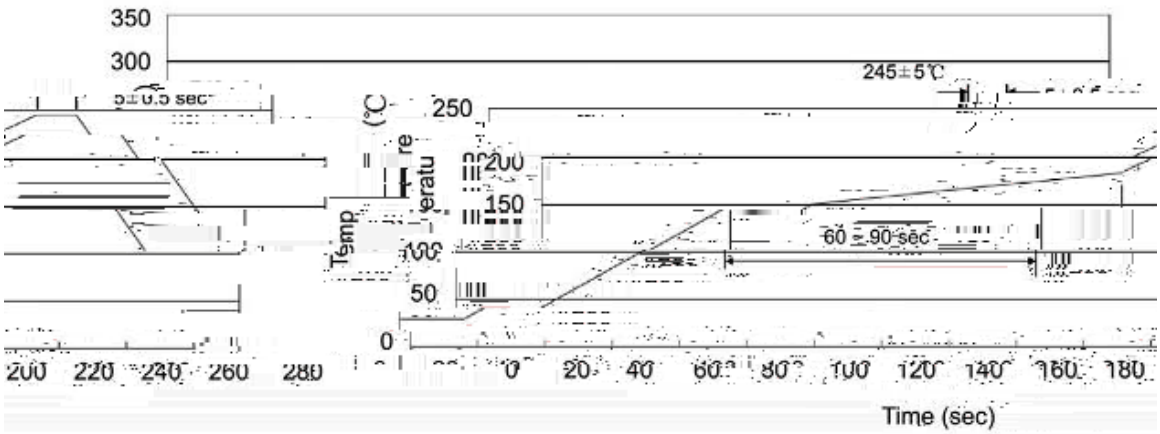


Ø ¤ =) ¢ / Package Dimensions



MMBTA94T
Rev.F Apr.-2019

š WD t … • Ž ¢ (x /) / :K S V K X G Z [X K 6 X U L O R K L U X / 8 8 K L R U] 9 U R J K X O T M 6



ª ¢ y

1o• Ä ½ “ † 150 ½180 - k ž • 60 ½90sec;

2o• Q › “ † 245 r5 - k ž • 4 Ò 5 r0.5sec;

3o•D N ò i Ò 0 , † 2 ½10 - /sec.

Note:

1.Preheating:150~180 - , Time:60~90sec.

2.Peak Temp.:245 r5 - , Duration:5 r0.5sec.

3. Cooling Speed: 2~10 - /sec.

ÂD /Cã p ¯ »]