

/ Descriptions

VRW0;< ММ Ё QSQ Æ М ы s ll 1 Silicon NPN transistor in a SOT-89 Plastic Package.

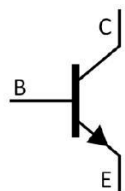
/ Features

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High current, Low saturation voltage.

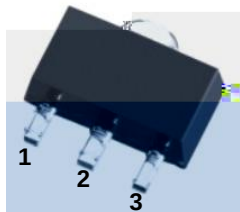
/ Applications

Энн - l ÷ ð l Ѡ з [0B] ð U 1
Driver stages of audio and video amplifiers.

/ Equivalent Circuit



/ Pinning



PIN1 χ Base PIN 2 χ Collector PIN 3 χ Emitter

/ Marking

h _{FE(1)} Classifications	10	16
h _{FE(1)} Range	63 160	100 250
Marking	HBC *	HBD *

BCX54

Rev.E Mar.-2016

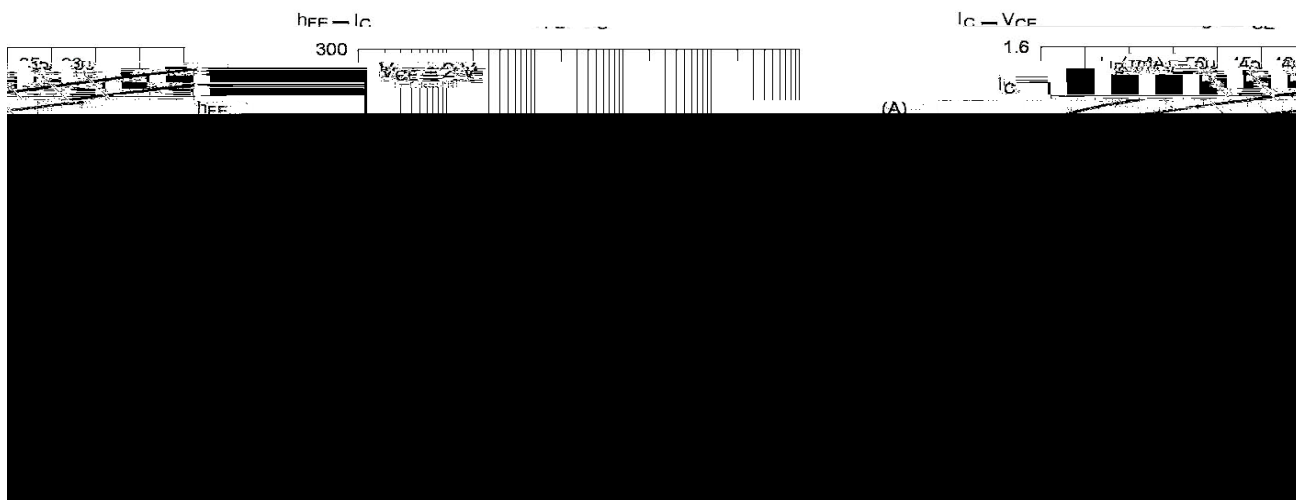
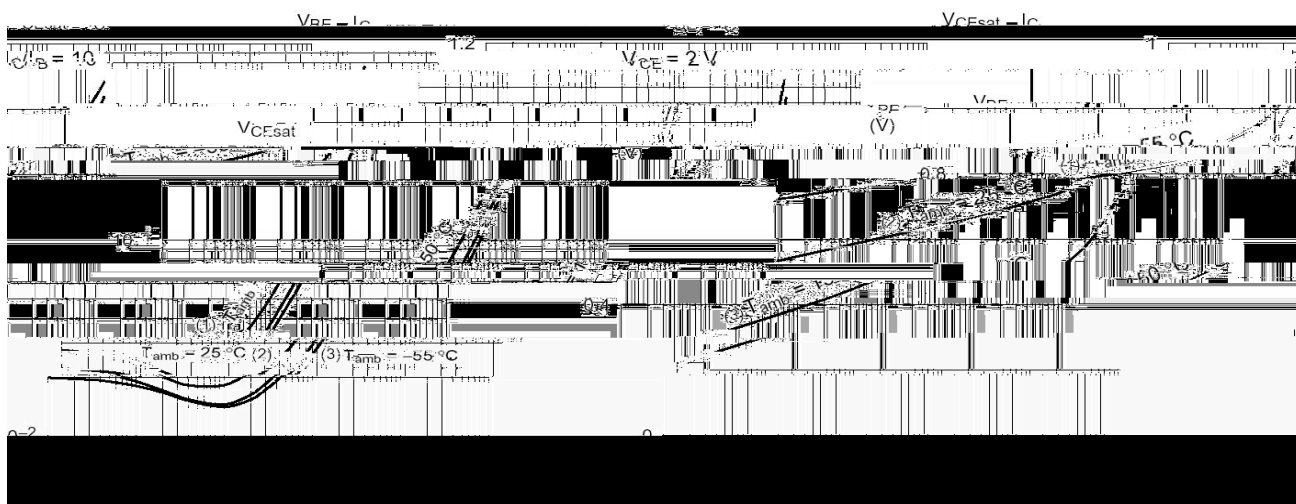
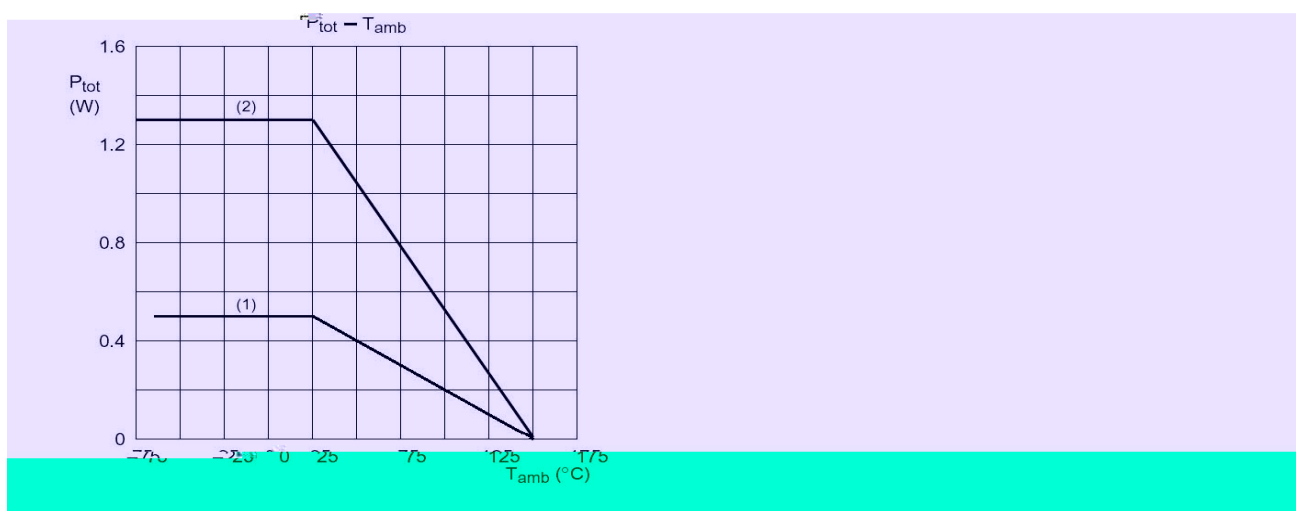


蓝箭电子
BLUE ROCKET ELECTRONICS

DATA SHEET

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	45	V
Collector to Emitter Voltage	V_{CEO}	45	V
Emitter to Base Voltage	V_{EBO}	5	V
Collector Current-Continuous	I_C	1.0	A
Peak Collector Current	I_{CM}	1.5	A
Peak Base Current	I_{BM}	0.2	A
Collector Power Dissipation	P		

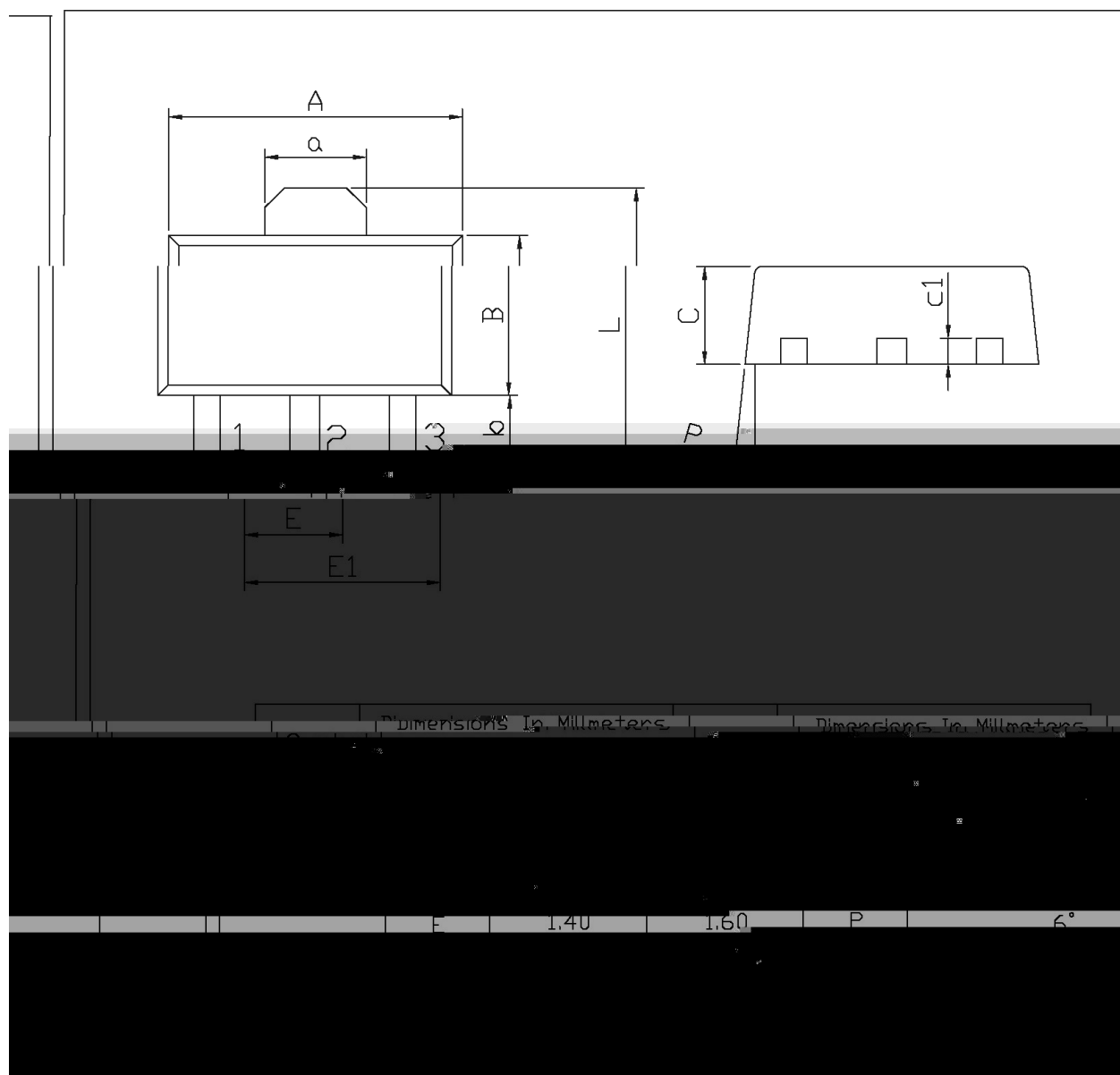
/ Electrical Characteristic Curve



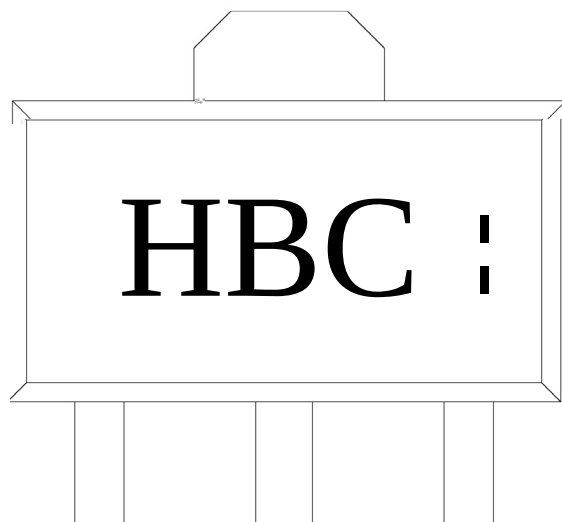
/ Package Dimensions



单位: mm



/ Marking Instructions



б " X

HX Խ 3 ^N Դ

BCX Խ 3 ^N Դ

--X Խ 1 Բ ի ^N Դ 1 Գ 1 Բ ի ^N Ս Դ

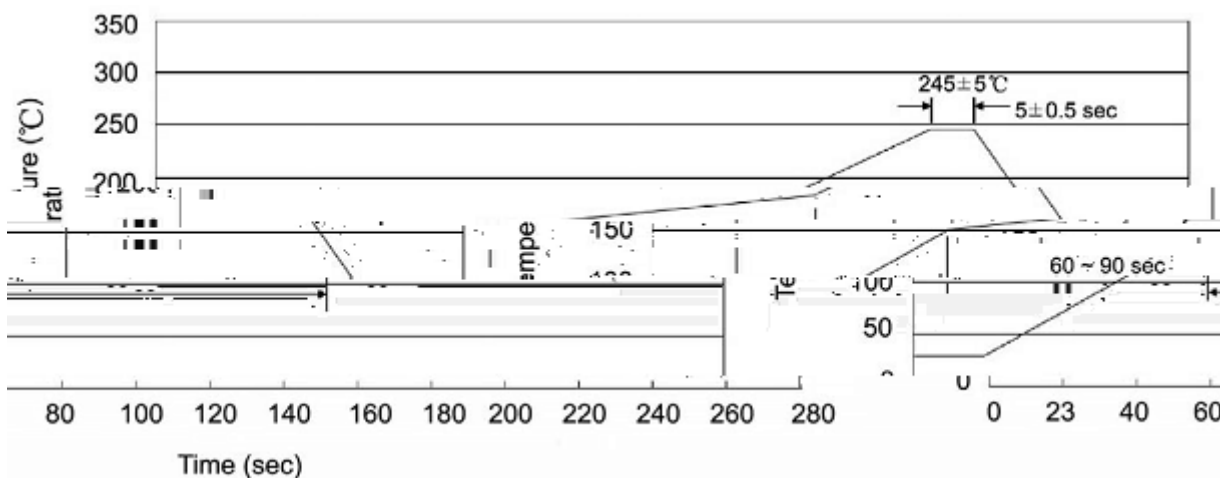
Note:

H: Company Code.

BC: Product Type.

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

() /



℃

1. 预加热: 25~150℃, 时间: 60~90sec;
2. 峰值温度: 245±5℃, 持续时间: 5±0.5sec;
3. 冷却速度: 2~10℃/sec.

Note:

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

/ Resistance to Soldering Heat Test Conditions

□ 预加热: 260±5℃, 时间: 10±1 sec. Temp.: 260±5 Time: 10±1 sec

/ Packaging SPEC.

□ 预加热: REEL

Package Type	Units					Dimension (unit mm ³)		

/ Notices