

/ Descriptions

VRW0; < QSQ Silicon NPN transistor in a SOT-89 Plastic Package.

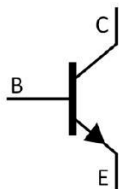
/ Features

High current, Low saturation voltage.

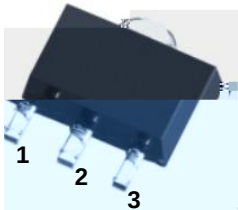
/ Applications

Driver stages of audio and video amplifiers.

/ Equivalent Circuit



/ Pinning



PIN1 Base PIN 2 Collector PIN 3 Emitter

/ Marking

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

BCX54

Rev.E Mar.-2016

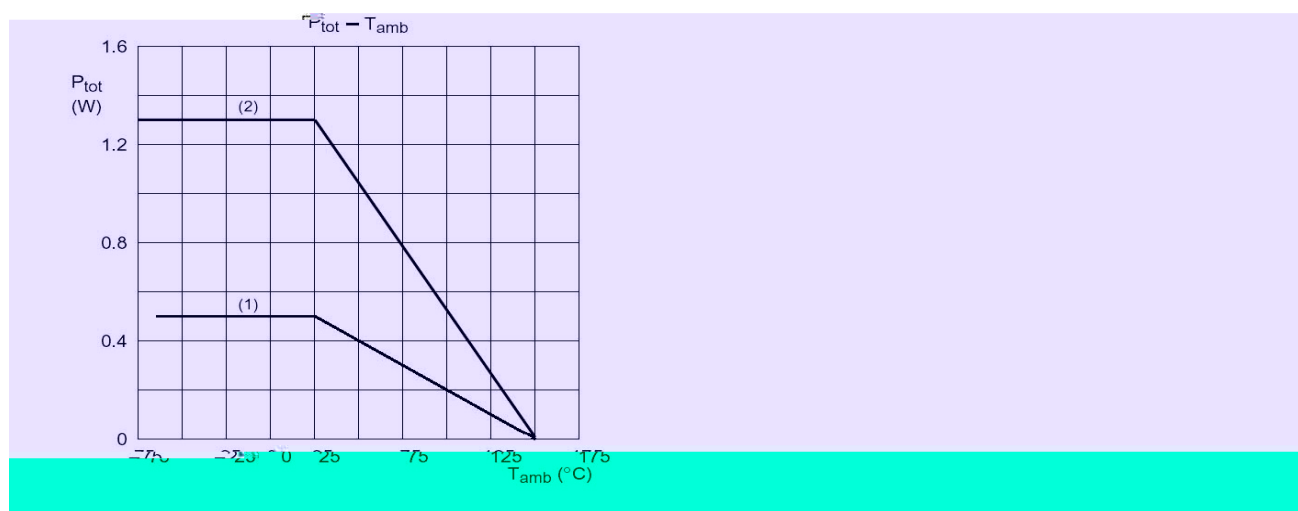
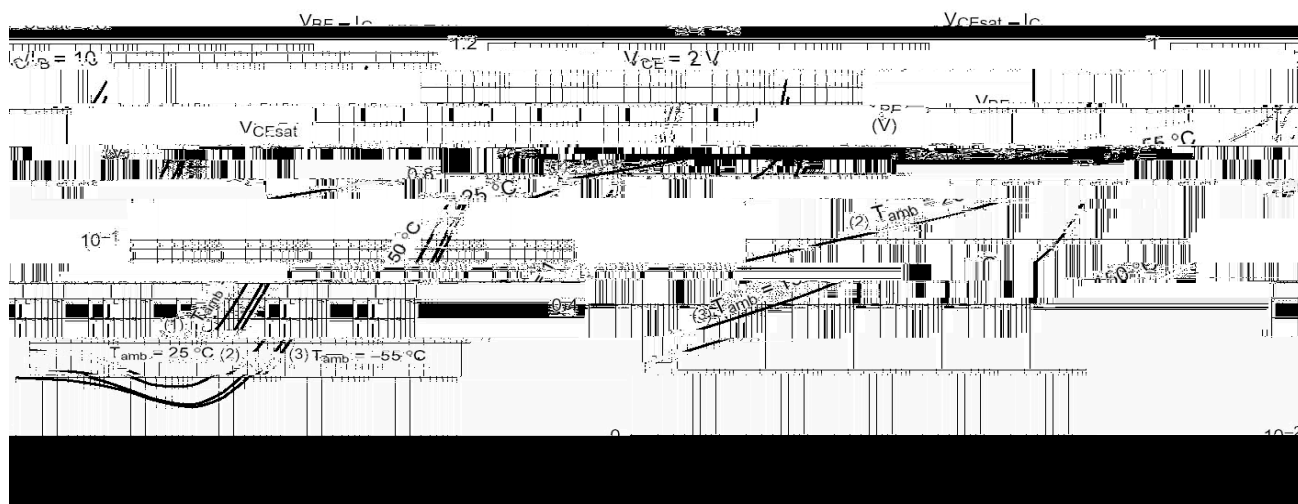
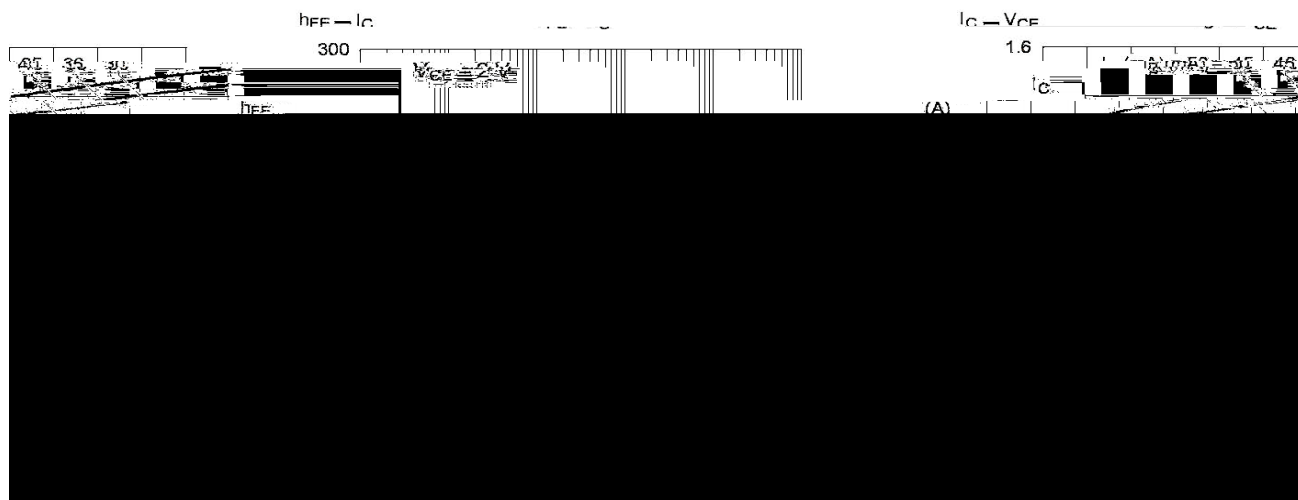


蓝箭电子
BLUE ROCKET ELECTRONICS

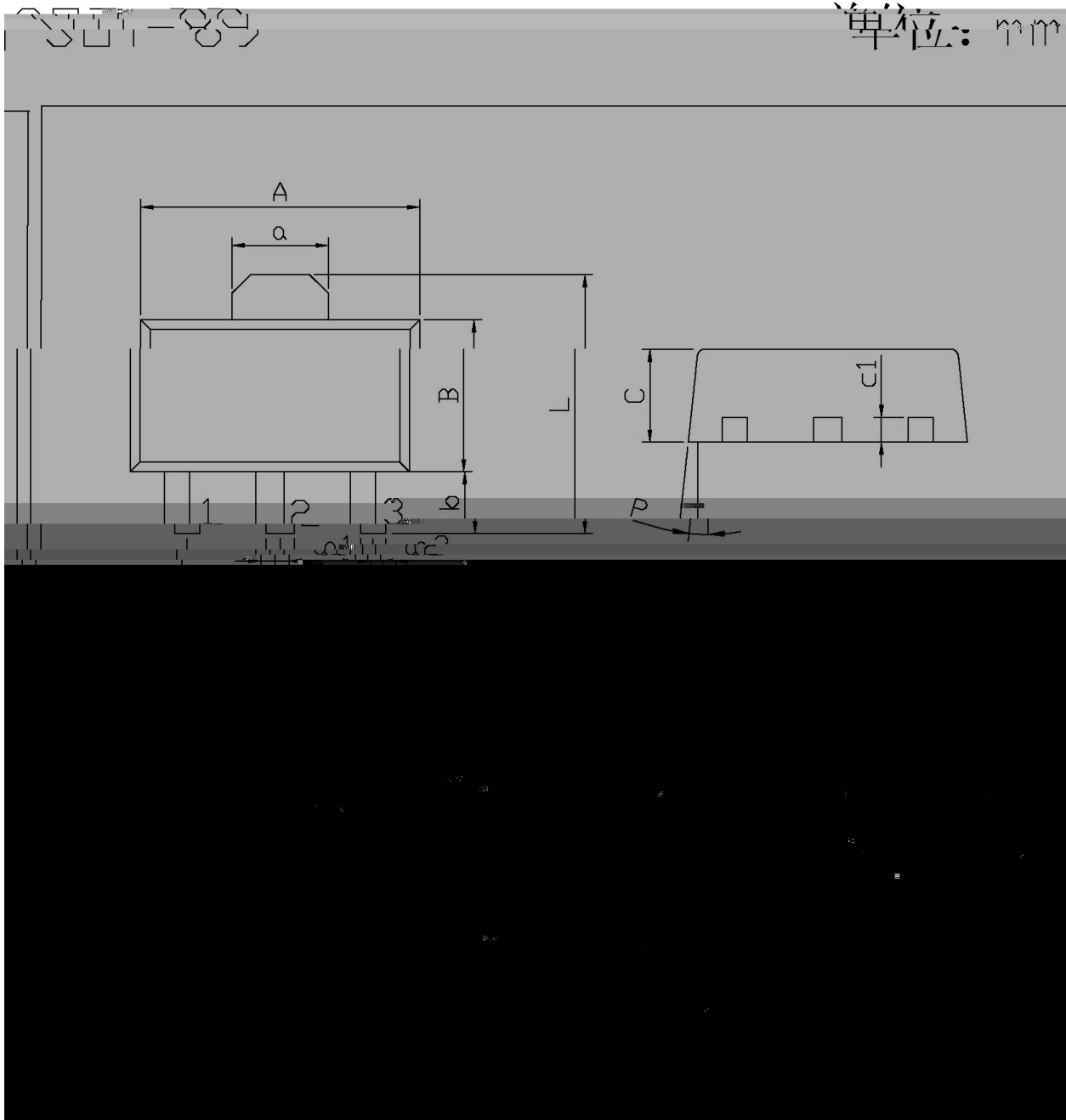
DATA SHEET

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		

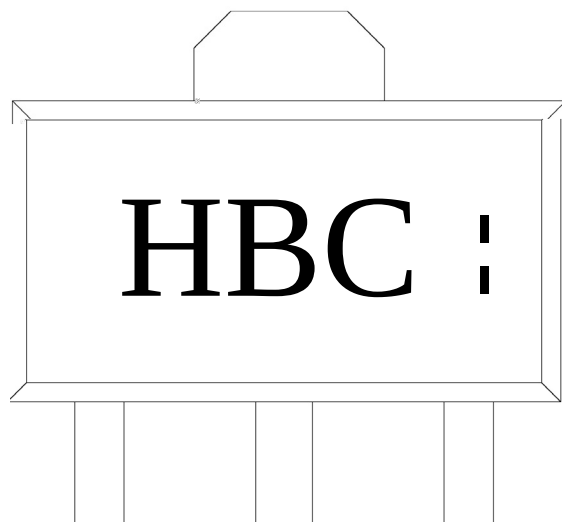
/ Electrical Characteristic Curve



/ Package Dimensions



/ Marking Instructions



H

BC

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Note:

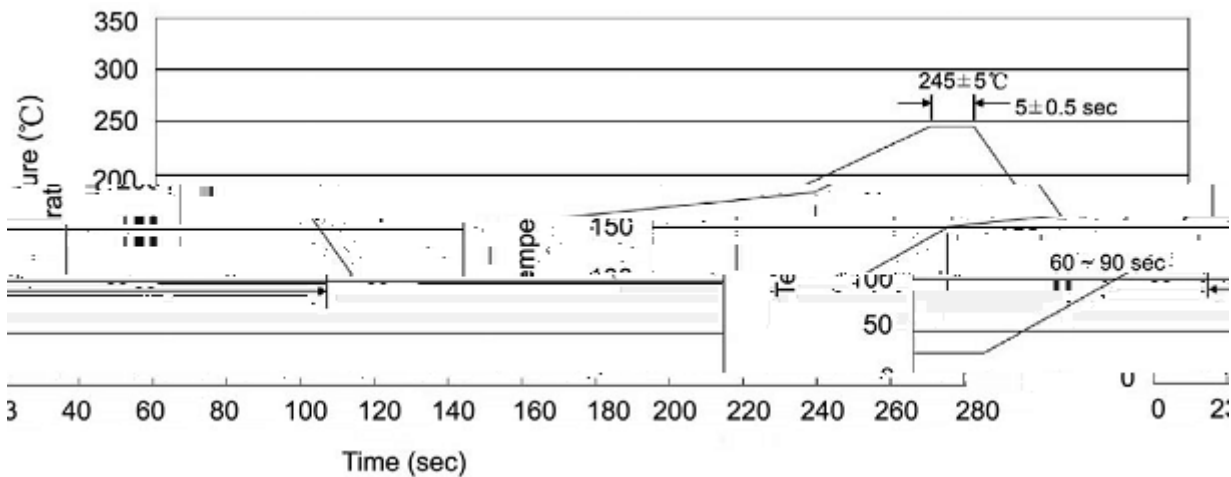
H: Company Code.

BC: 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. |

/ Resistance to Soldering Heat Test Conditions

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

/ Packaging SPEC.

/ REEL

Package Type	Units					Dimension (unit mm ³)		

/ Notices