2SA684

Rev.D Nov.-2015

蓝箭电子 BLUE ROCKET ELECTRONICS

DATA SHEET

/ Descriptions

WR0<50P ṂṂÞ SQS ÆṀч s Ⅱㄱ Silicon PNP transistor in a TO-92LM Plastic Package.

/ Features

ت ⊐ я ∪ Ӈ/лъ 5VF46;7 ЙӇ ´ ˡ ệ 5Ќ6 ב ڑ.

Low $V_{CE(sat)}$,2 3W output in complementary pair with 2SC1384.

/ Applications

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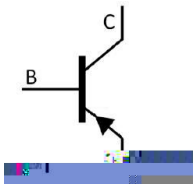
AF power amplifier and driver applications.

/ Equivalent Circuit



/ Pinning

PIN1 χ Base PIN 2 χ Collector PIN 3 χ Emitter

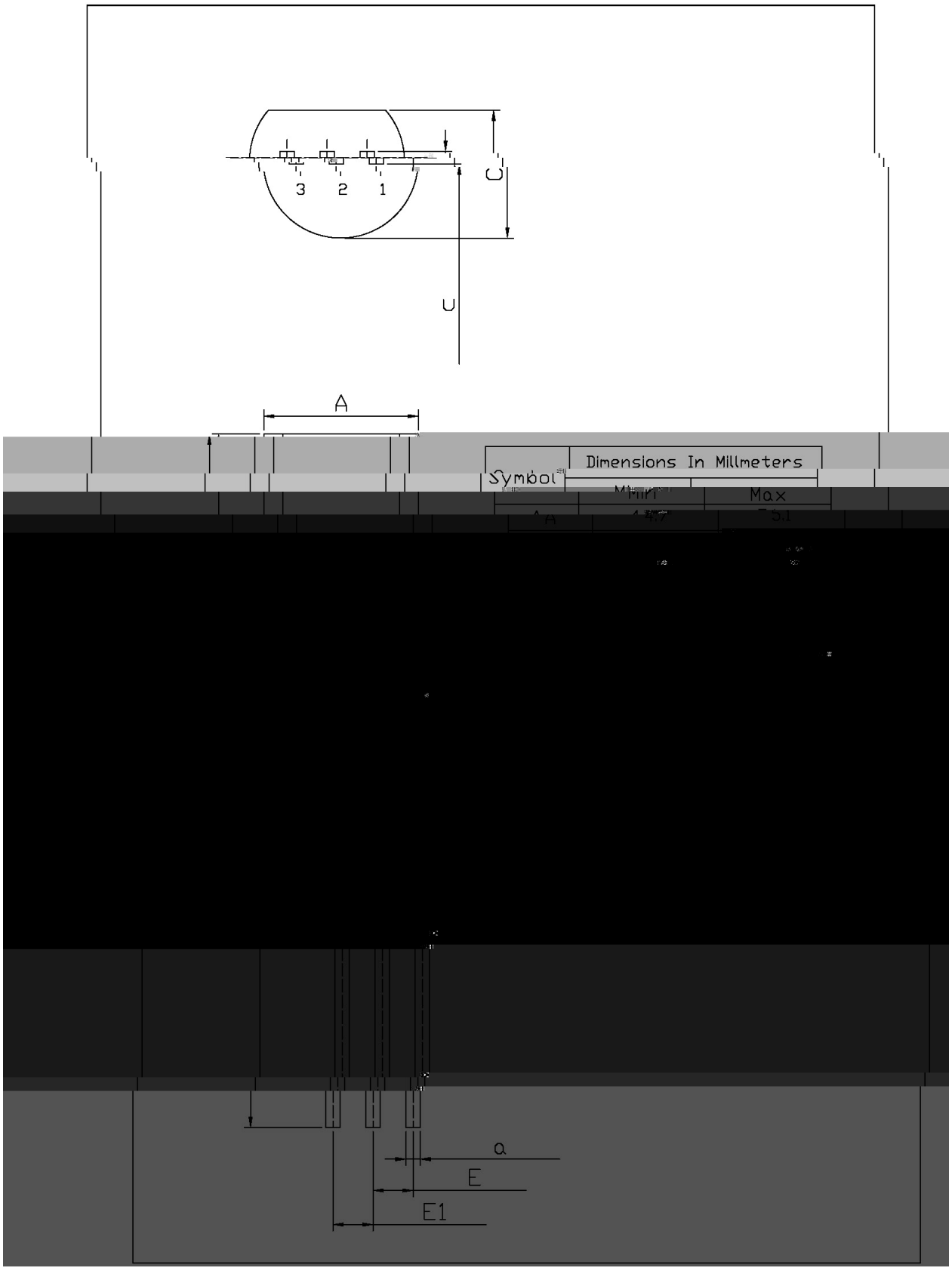
/ h_{FE} Classifications & Marking

h_{FE} Classifications Symbol	Q	R	S
h_{FE} Range	85~170	120~240	170~340

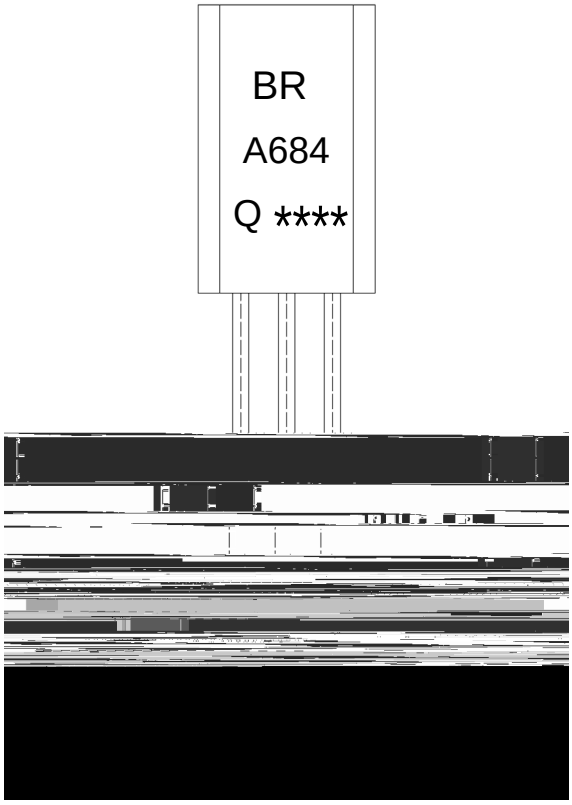
v ‴Ω Parameter	ϒ N Symbol	‴Ω Ö Rating	D Ч Unit
Collector to Base Voltage	V_{CBO}	-60	V

/ Package Dimensions

TO-92LM Unit: mm



/ Marking Instructions

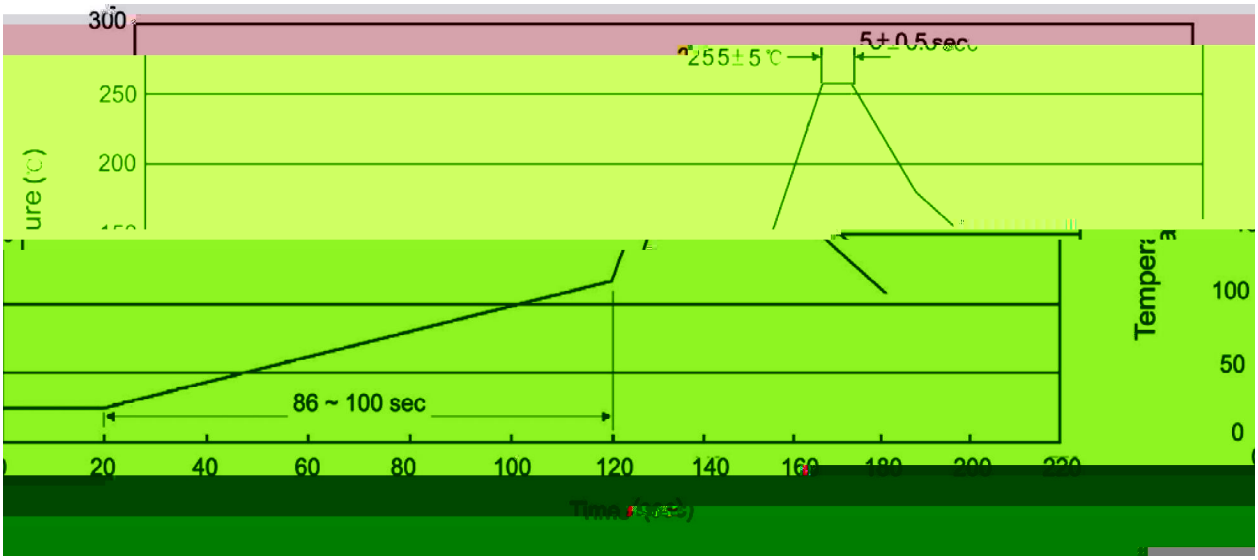


ب ″ χ	
EU=	₩ ३ И Ґђ
D9 ; 7 χ	₩ ʒ ᴺ Ґђ
T=	₩ k ᵢₕ ʿ ⁶ Ґђ
---- χ	₩ ł ғ ń ᴺ Ґђ ı ₰ ł ғ ń ᴺ Ψ ק

Note:

BR:	Company Code.
A684:	Product Type.
Q:	h_{FE} Classifications Symbol
****:	Lot No. Code,code change with Lot No.

( ) / Temperature Profile for Dip Soldering(Pb-Free)



ب ˝ χ

1 Ĺ ♬ □ ỷ 25 Ḱ 150 ł ı `H ڑ 60 Ḱ 90sec;

2 Š Ө □ ỷ 255 ° 5 ł ı `H ڑ `Y ﾊ ㎛ 5 ° 0.5sec;

3 ì ˙ Ⅵ ˛ ɔ ﻉ ỷ ㎛ 2 Ḱ 10 ł /sec.

Note:

1.Preheating:25~150 ł , Time:60~90sec.

2.Peak Temp.:255 ° 5 ł , Duration:5 ° 0.5sec.

3. Cooling Speed: 2~10 ł /sec.

/ Resistance to Soldering Heat Test Conditions

□ ỷ χ 270 ° 5 ł `H ڑ χ 10 ° 1 sec. Temp.:270 ° 5 ł Time:10 ° 1 sec

/ Packaging SPEC.

`Ω ţ ﾔ Ł / BULK

Package Type	Units					Dimension		(unit mm3)
	Units/Bag /	Bags/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Bag	Inner Box	Outer Box
TO-92LM	1,000	8	8,000	5	40,000	135×190	237×172×102	560×245×195

ﾊ Ⅴ ﾔ Ł / AMMO

Package Type	Units					Dimension	(unit mm3)
	Units/tape /	Tape/Inner Box /	Rows/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Inner Box	Outer Box
TO-92LM	2,500	1	100	10	25,000	328×230×42	480×346×235 547×407×268

/ Notices