

/ Descriptions

WR0<5 M M E SQS æ M ç s ll 1 Silicon PNP transistor in a TO-92 Plastic Package.

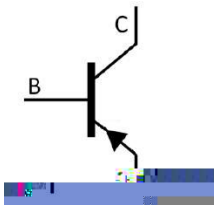
/ Features

4 Z ـ ل ؤ ؤ
1W AF output.

/ Applications

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Electronic governor, DC-DC converter applications.

/ Equivalent Circuit



/ Pinning



PIN1 χ Base PIN 2 χ Collector PIN 3 χ Emitter

/ hFE Classifications & Marking

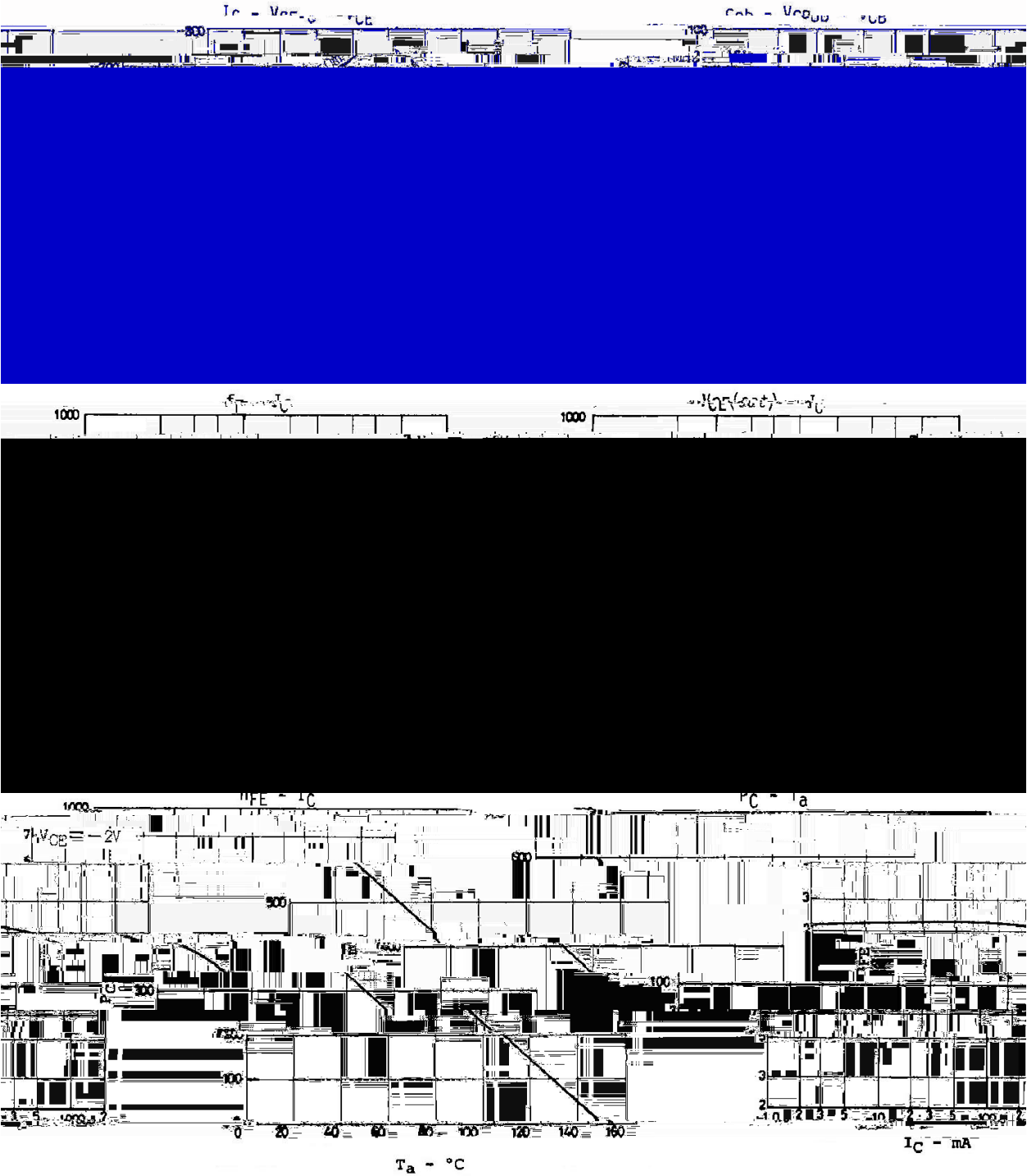
h _{FE} Classifications Symbol	D	E	F	G
h _{FE} Range	60~120	100~200	160~320	280~560

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	-25	V
Collector to Emitter Voltage	V_{CEO}	-20	V
Emitter to Base Voltage	V_{EBO}	-5.0	V
Collector Current - Continuous	I_C	-0.7	A
Collector Current – Continuous(Pulse)	I_{CP}	-1.5	A
Collector Power Dissipation	P_C	600	mW
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Base Breakdown Voltage	V_{CBO}	$I_C = -10\mu A$ $I_E = 0$	-25			V

Collector to Emitter Breakdown Voltage: $V_{CEO} = -20V$ (at $I_C = -0.7A$, $T_j = 25^\circ C$)

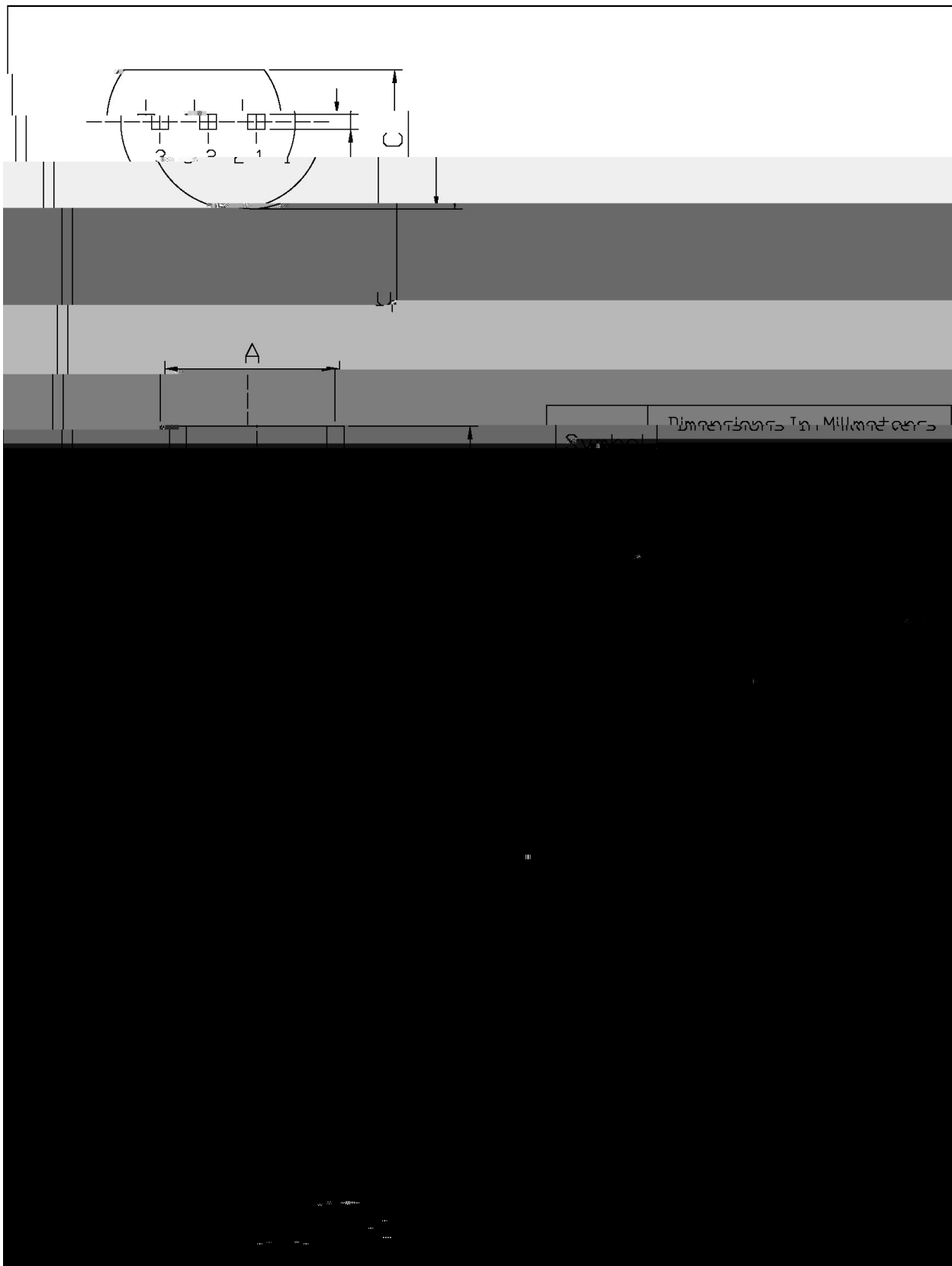
/ Electrical Characteristic Curve



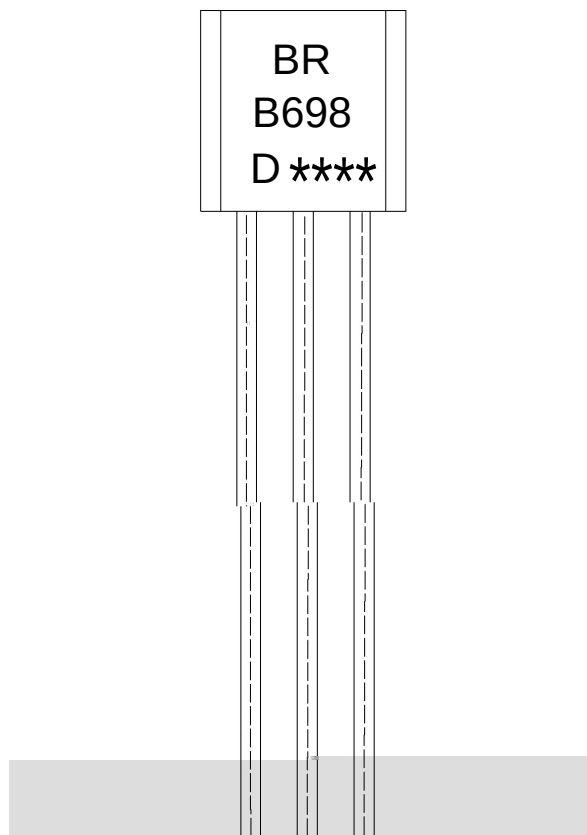
/ Package Dimensions

TO-92

Unit: mm



/ Marking Instructions



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EU:

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E9<; X

ꠤ ꠗ ꠕ ꠒ

G:

ꠤ k_{IH} ' 6 ꠒ

---- X

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Note:

BR:

Company Code.

B698:

Product Type.

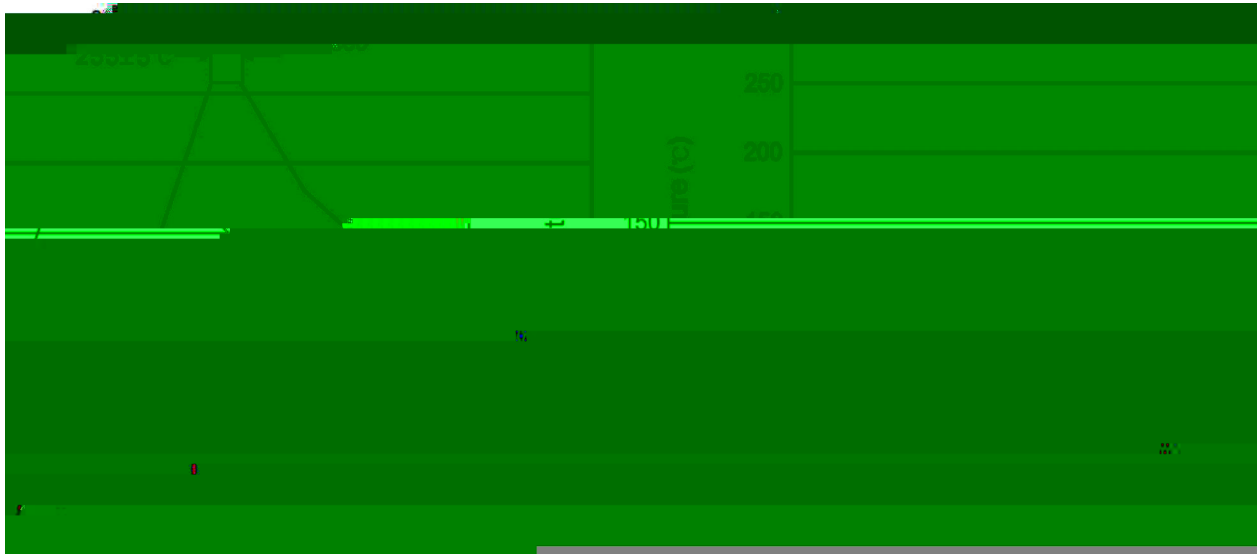
D:

h_{FE} Classifications Symbol

****:

Lot No. Code,code change with Lot No.

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



说明

1. 预加热: 25~150 °C, 时间: 60~90sec;
2. 峰值温度: 255 ± 5 °C, 持续时间: 5 ± 0.5sec;
3. 冷却速度: 2~10 °C/sec.

Note:

- 1.Preheating:25~150 °C, Time:60~90sec.
- 2.Peak Temp.:255 ± 5 °C, Duration:5 ± 0.5sec.
3. Cooling Speed: 2~10 °C/sec.

/ Resistance to Soldering Heat Test Conditions

温度: 270 ± 5 °C 时间: 10 ± 1 sec. Temp: 270 ± 5 Time: 10 ± 1 sec

/ Packaging SPEC.

散装 / BULK

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm3)		
	Units/Bag 只/袋	Bags/Inner Box 袋/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Bag 袋	Inner Box 盒	Outer Box 箱
TO-92	1,000	10	10,000	5	50,000	135×190	237×172×102	560×245×195
	1,000	10	10,000	10	100,000	135×190	237×172×102	560×245×375

纸带 / AMMO

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm3)	
	Units/tape 只/纸带	Tape/Inner Box 纸带/盒	Rows/Inner Box 纸带层/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Inner Box 盒	Outer Box 箱
TO-92	3,000	1	120	10	30,000	328×230×42	小箱 480×346×235, 大箱 547×407×268

/ Notices