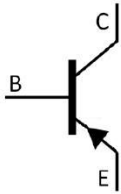


TO-92	PNP	Silicon PNP transistor in a TO-92 Plastic Package.
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High voltage low saturation, low collector output capacitance, complementary pair with MPSA42G. HF Product.

High voltage control circuit.

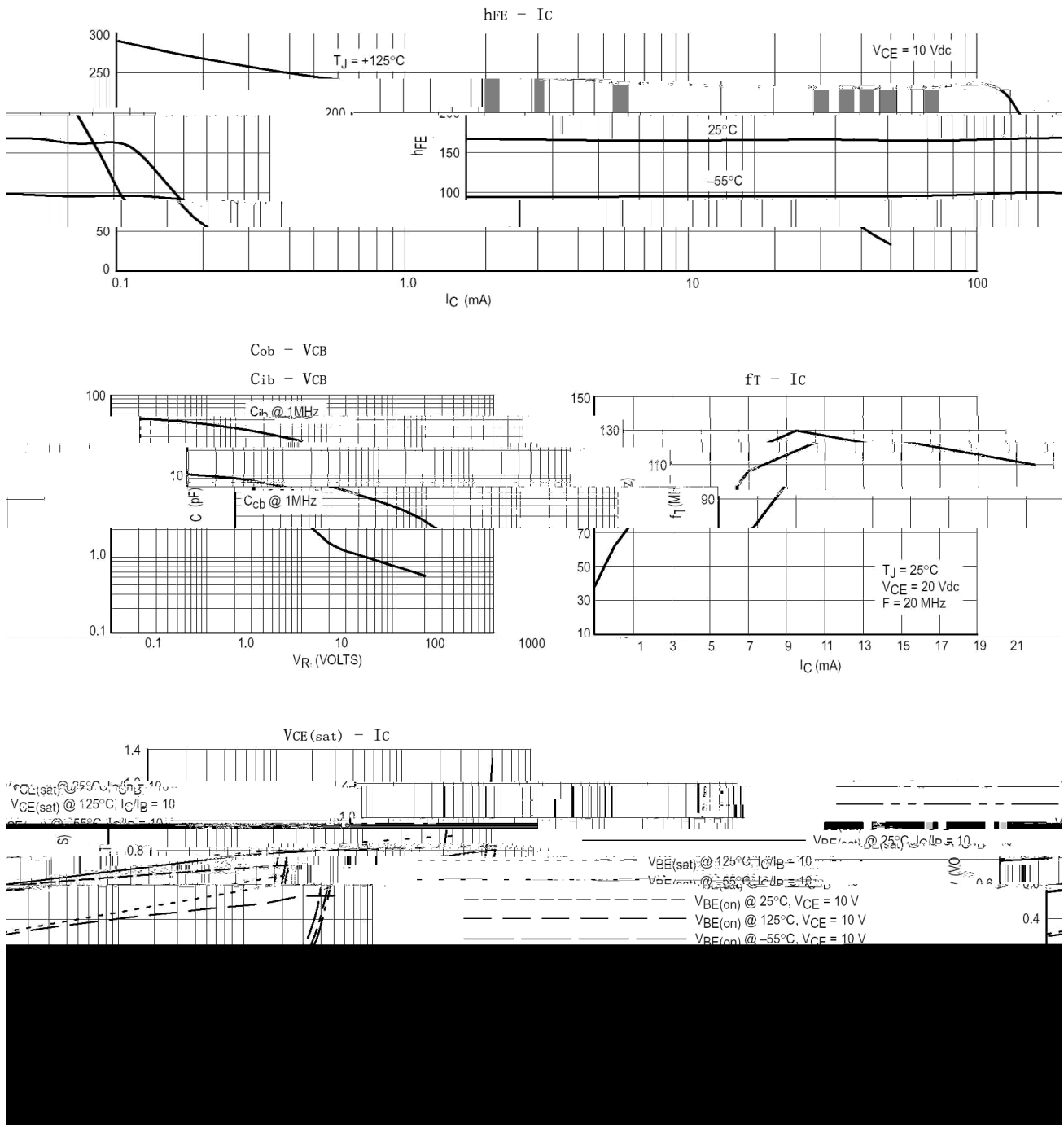


PIN1	Collector	PIN 2	Base	PIN 3	Emitter
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See Marking Instructions.

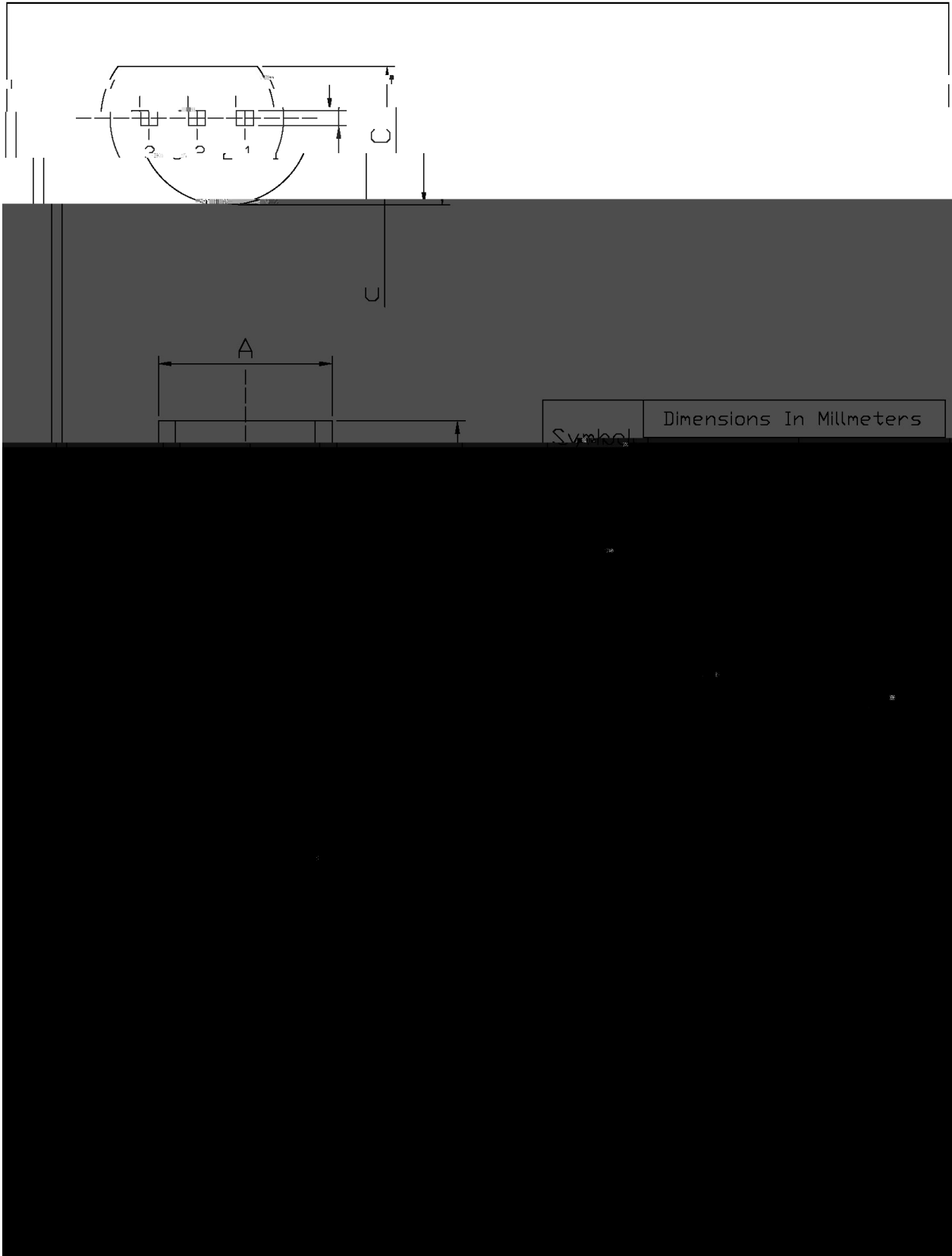
Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	-300	V
Collector to Emitter Voltage	V_{CEO}	-300	V
Emitter to Base Voltage	V_{EBO}	-5.0	V
Collector Current - Continuous	I_C	-500	mA
Base Current - Continuous	I_B	-30	mA
Collector Power Dissipation	P_C	625	mW
Collector Power Dissipation	$P_C(T_C=25^\circ\text{C})$	1.5	W
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 ~ 150	

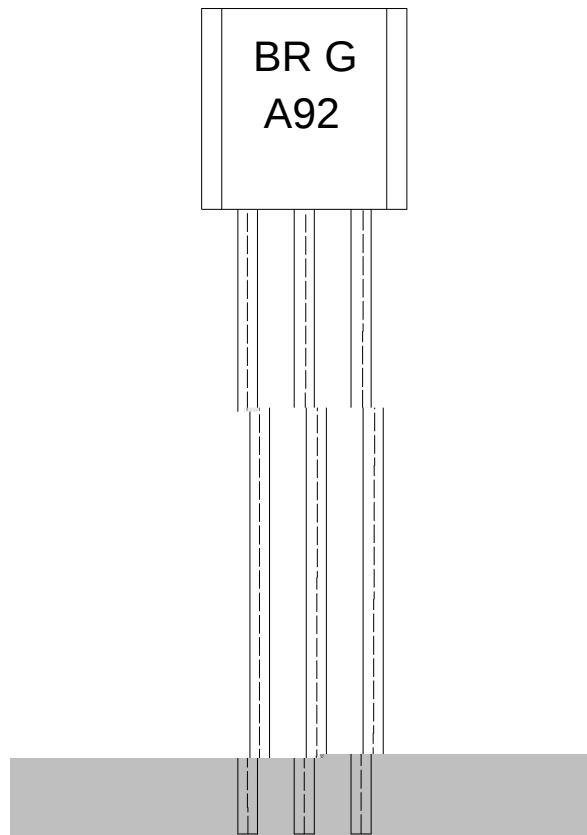
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Base Breakdown Voltage	V_{CBO}	$I_C=-100\text{ A}$ $I_E=0$	-300			V
Collector to Emitter Breakdown Voltage	V_{CEO}	$I_C=-1.0\text{mA}$ $I_B=0$	-300			V
Emitter to Base Breakdown Voltage	V_{EBO}	$I_E=-100\text{ A}$ $I_C=0$	-5.0			V
Collector Cut-Off Current	I_{CBO}	$V_{CB}=-200\text{V}$ $I_E=0$			-0.25	A
Emitter Cut-Off Current	I_{EBO}	$V_{EB}=-3.0\text{V}$ $I_C=0$			-0.1	A
DC Current Gain	$h_{FE(1)}$	$V_{CE}=-10\text{V}$ $I_C=-10\text{mA}$	40			
	$h_{FE(2)}$	$V_{CE}=-10\text{V}$ $I_C=-30\text{mA}$	25			
	$h_{FE(3)}$	$V_{CE}=-10\text{V}$ $I_C=-1.0\text{mA}$	25			
Collector to Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=-20\text{mA}$ $I_B=-2.0\text{mA}$			-0.5	V
Base to Emitter Saturation Voltage	$V_{BE(sat)}$	$I_C=-20\text{mA}$ $I_B=-2.0\text{mA}$			-0.9	V
Transition Frequency	f_T	$V_{CE}=-20\text{V}$ $f=100\text{MHz}$ $I_C=-10\text{mA}$	50			MHz
Collector Output Capacitance	C_{ob}	$V_{CB}=-20\text{V}$ $f=1.0\text{MHz}$ $I_E=0$			6.0	pF



T0-92

Unit: mm





BR:

A92

G:

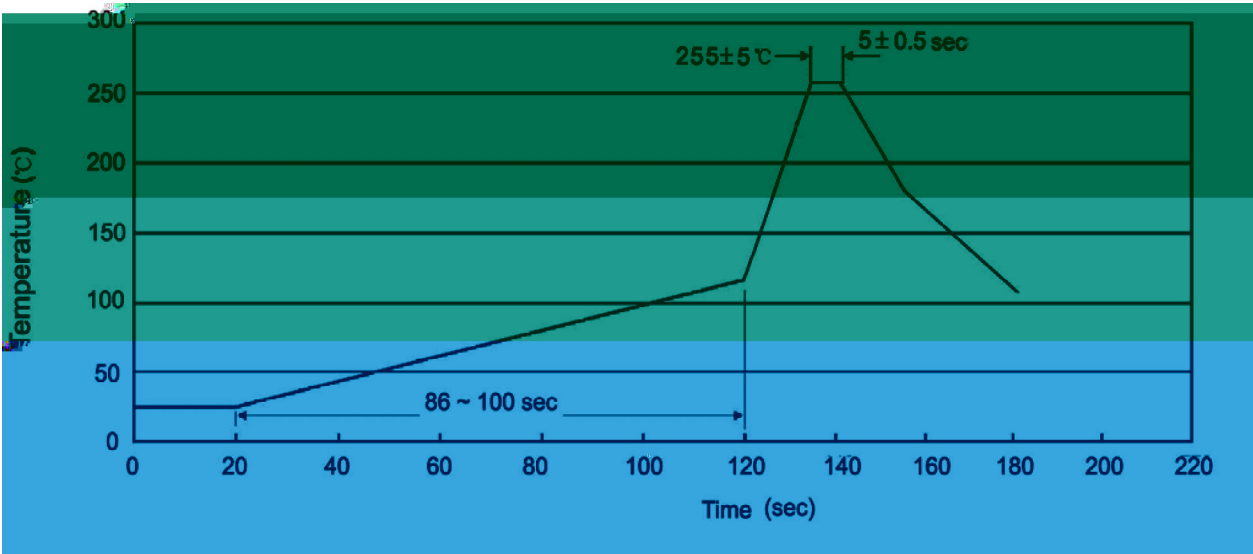
Note:

BR: Company Code.

A92: Product Type.

G: Halogen Free Product

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



Note:

- 1

25 150

60 90sec;
- 2

255±5

5±0.5sec;
- 3

2 10

/sec.
- 1.Preheating:25~150

, Time:60~90sec.
- 2.Peak Temp.:255±5

, Duration:5±0.5sec.
3. Cooling Speed: 2~10

/sec.

270±5

10±1 sec.

Temp:270±5

Time:10±1 sec

/ BULK

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm3)		
	只 袋	袋 盒	只 盒	盒 箱	只 箱	袋	盒	箱

/ AMMO

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm3)	
	只 纸带	纸带 盒	纸带层 盒	盒 箱	只 箱	盒	箱
							小箱 , 大箱