

/ Descriptions

Silicon NPN transistor in a TO-251 Plastic Package.

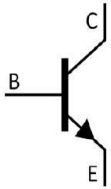
/ Features

High voltage, Low saturation voltage, low collector capacitance output, complementary pair with MPSA92I.

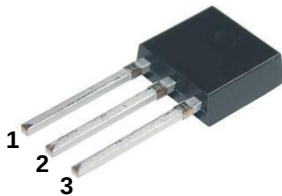
/ Applications

High voltage control circuit.

/ Equivalent Circuit



/ Pinning



PIN1 Base PIN 2 Collector PIN 3 Emitter

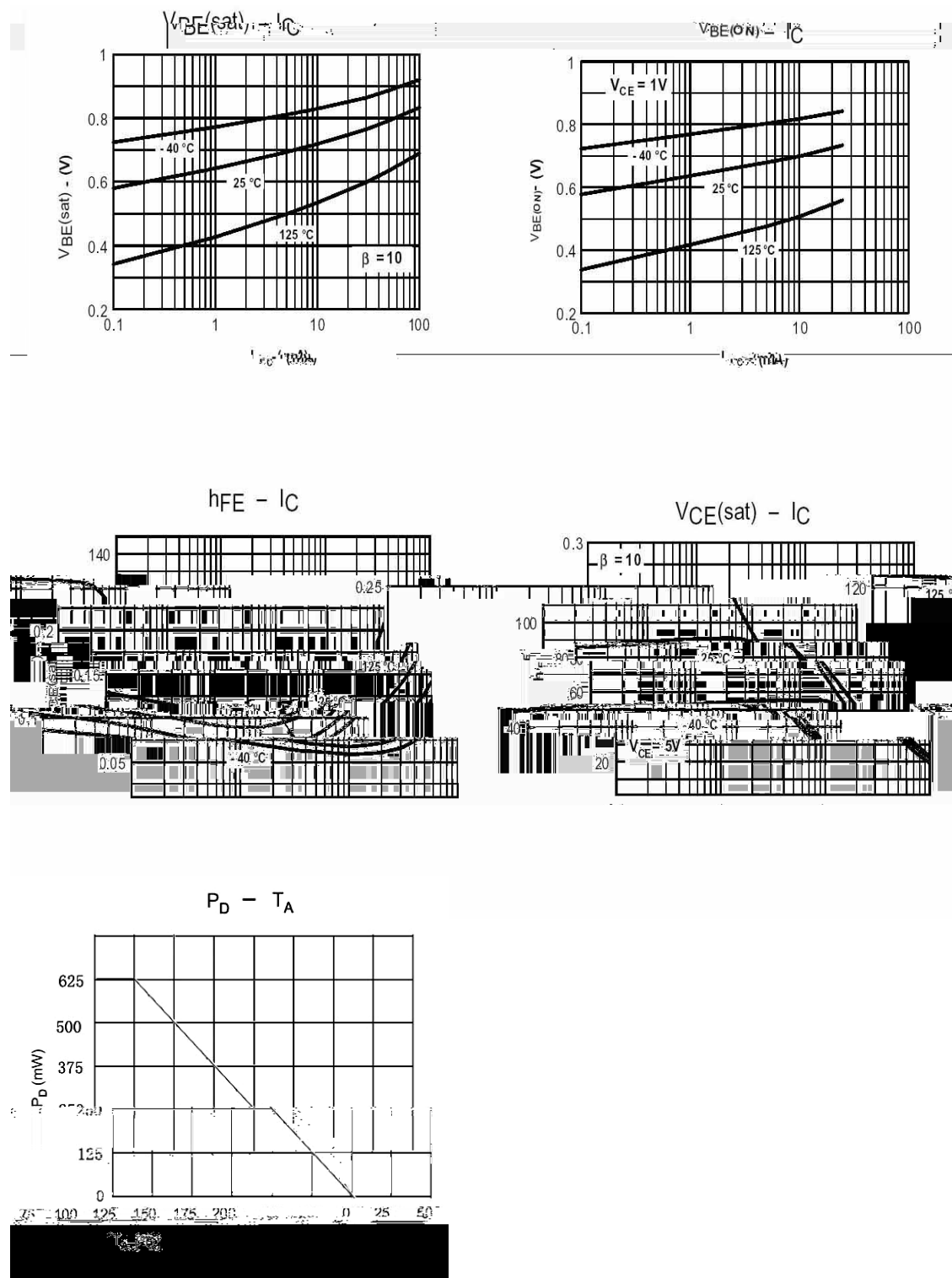
/ h_{FE} Classifications & Marking

See Marking Instructions.

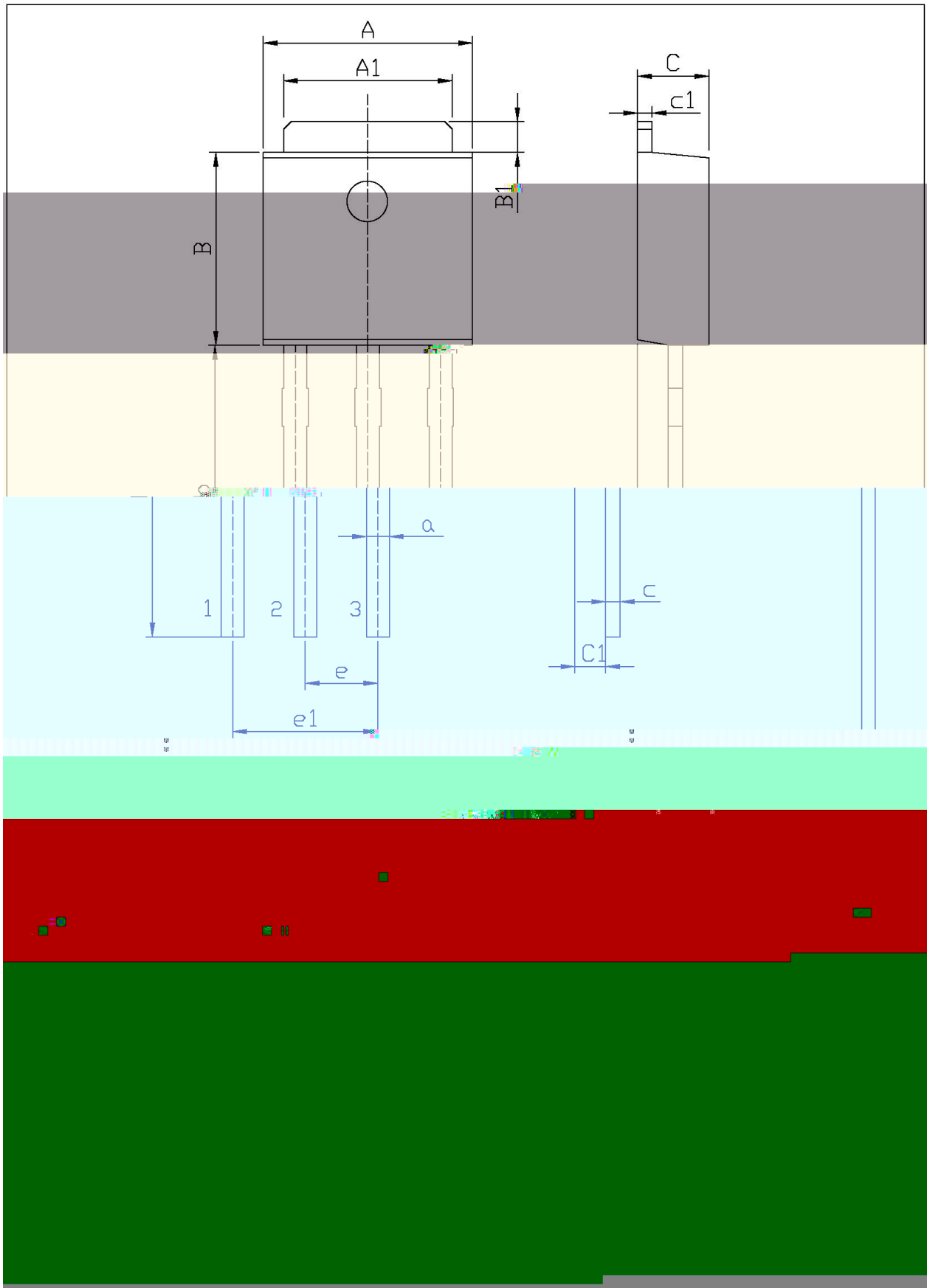
Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	300	V
Collector to Emitter Voltage	V_{CEO}	300	V
Emitter to Base Voltage	V_{EBO}	6.0	V
Collector Current - Continuous	I_C	500	mA
Collector Power Dissipation	P_C	625	mW
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

Parameter Symbol Test Conditions

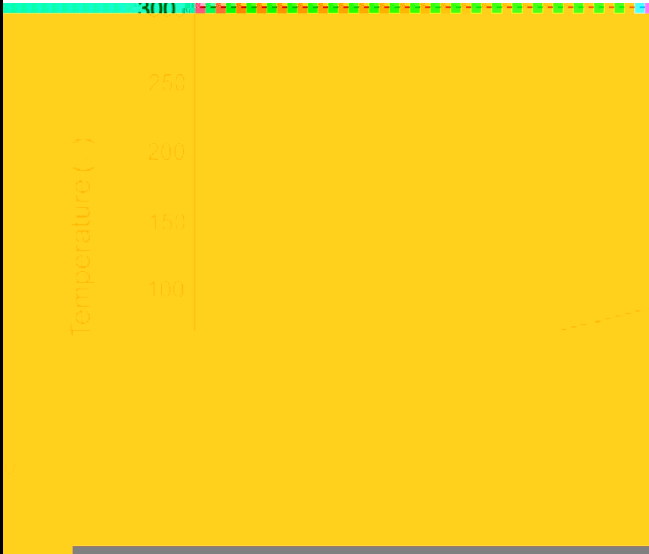
/ Electrical Characteristic Curve



/ Package Dimensions



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



- 1
- 2
- 3

Note:

1.Preheating:25~150℃, Time:60~90sec.

2.Peak Temp.:255±5℃, Duration:5~0.5sec.

3. Cooling Speed: 2~10℃/sec.

Heat Test Conditions

270

Temp.:270±5℃ Time:10±1 sec

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Package Type 封装形式	Units 包装数量			Dimension 包装尺寸 (unit: mm ³)
	Units/Bag 只/袋	Bags/Inner Box 袋/盒	Units/Inner Box 只/盒	