## / Descriptions

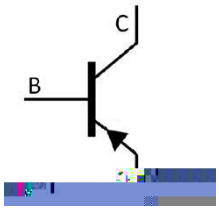
SOT-89 PNP

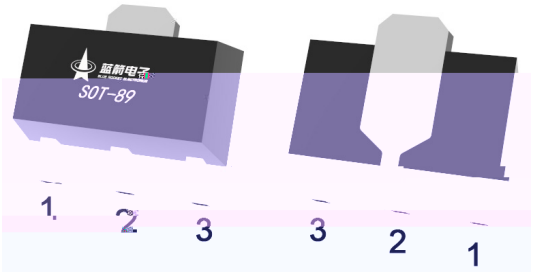
BR2SD2010TAQ AEC-Q101

MOSFETs IGBTs

Emergency Lighting Circuits,Motor Driving (Including DC Fans),Backlight Inverters,Power Switches,Gate Driving MOSFETs and IGBTs

## / Equivalent Circuit




## / $h_{FE}$ Classifications & Marking

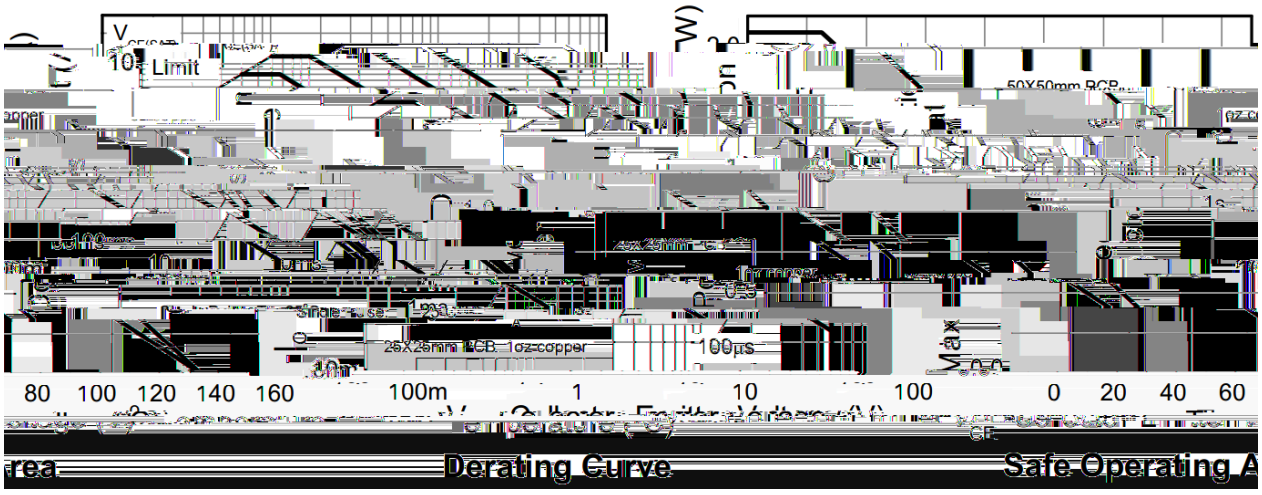
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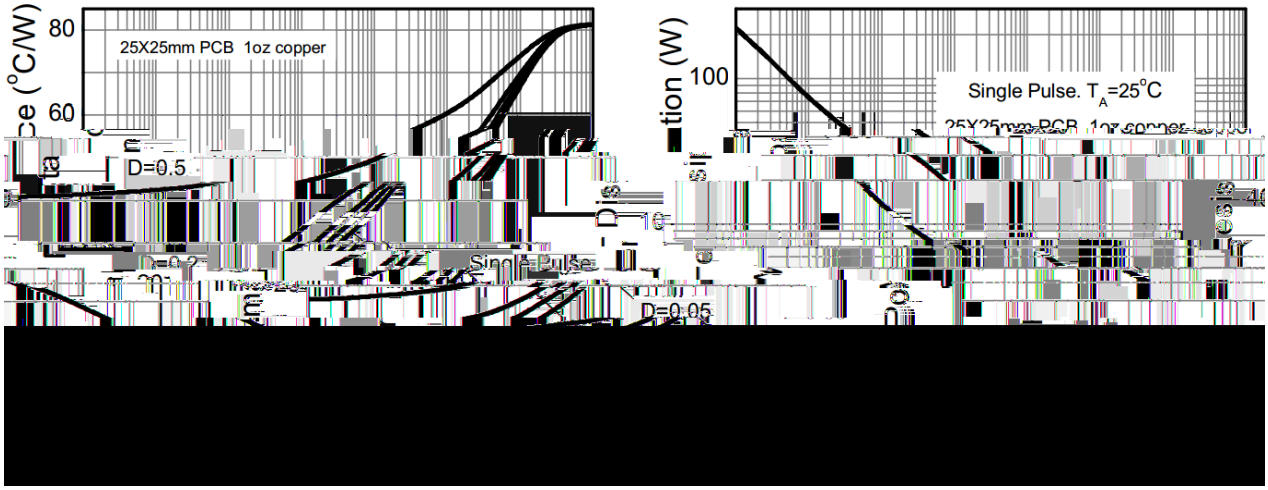
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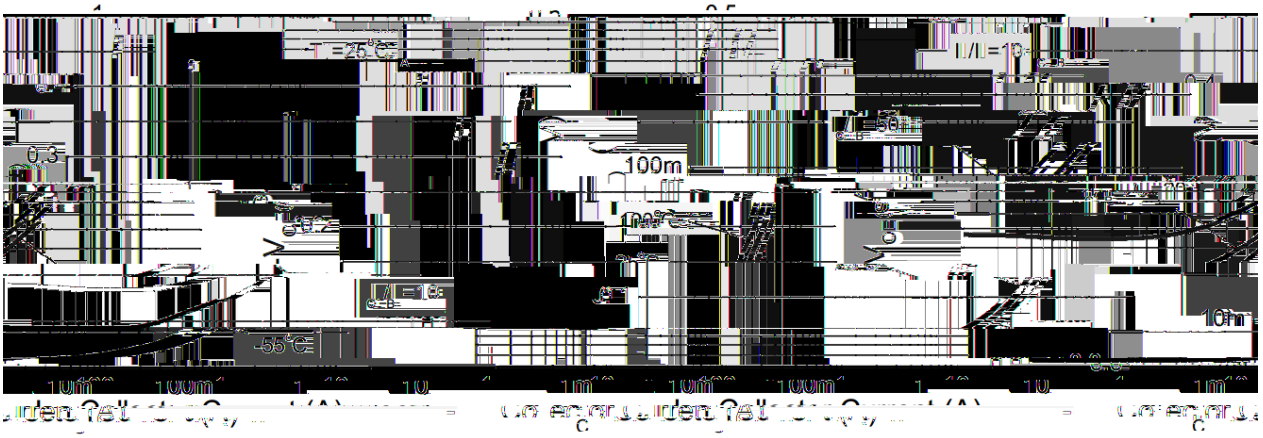
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## / Thermal Characteristics and Derating Information

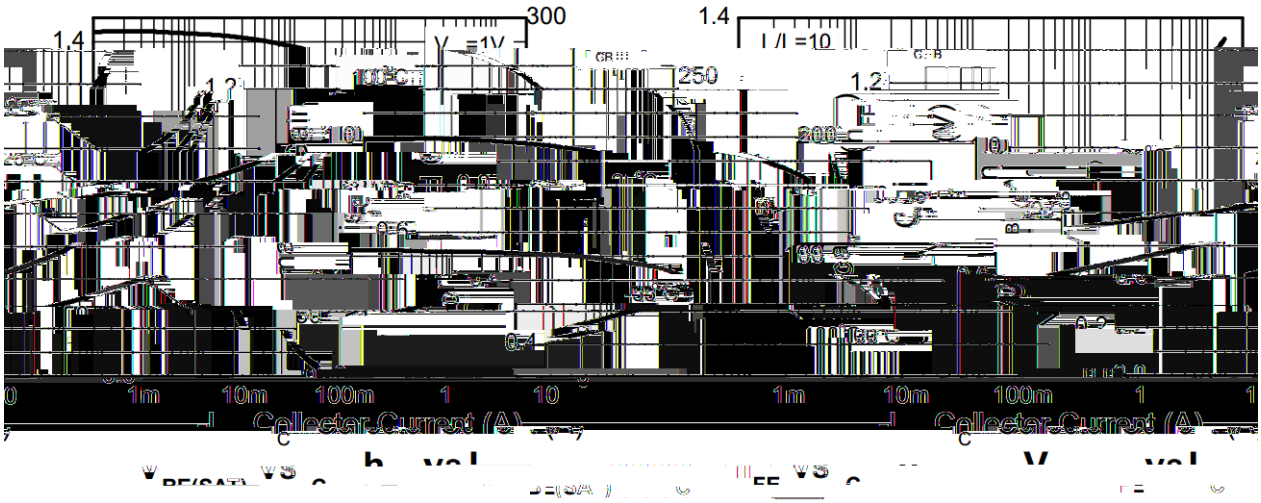


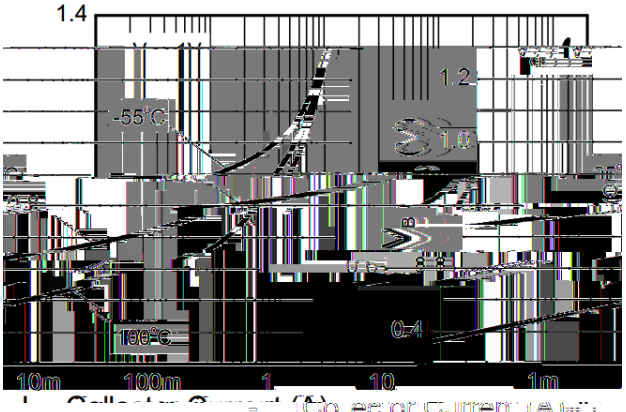



## / Electrical Characteristic Curve



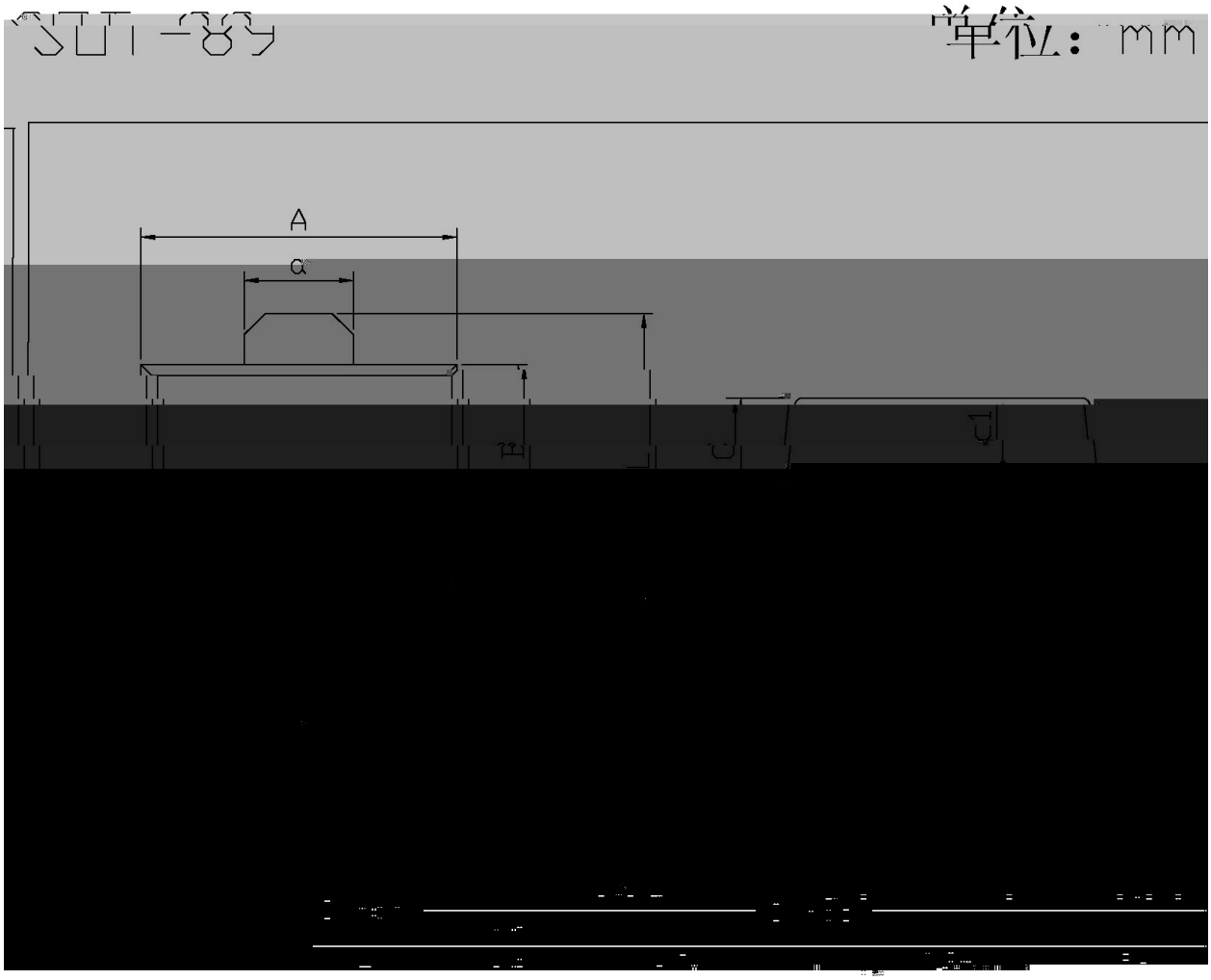
$V_{CE(SAT)}$ vs $I_C$ $V_{CE(SAT)}$ vs $I_C$



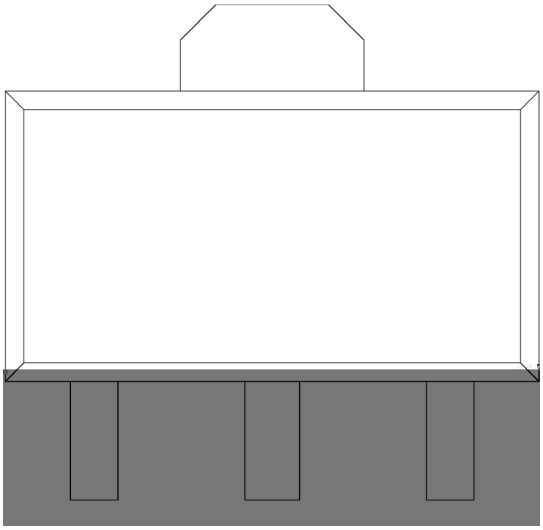


$V_{BE(ON)}$ vs $I_C$

## / Package Dimensions



## / Marking Instructions



Q

951

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## ( ) / Temperature Profile for IR Reflow Soldering(Pb-Free)

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## / Resistance to Soldering Heat Test Conditions

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## / Packaging SPEC.