

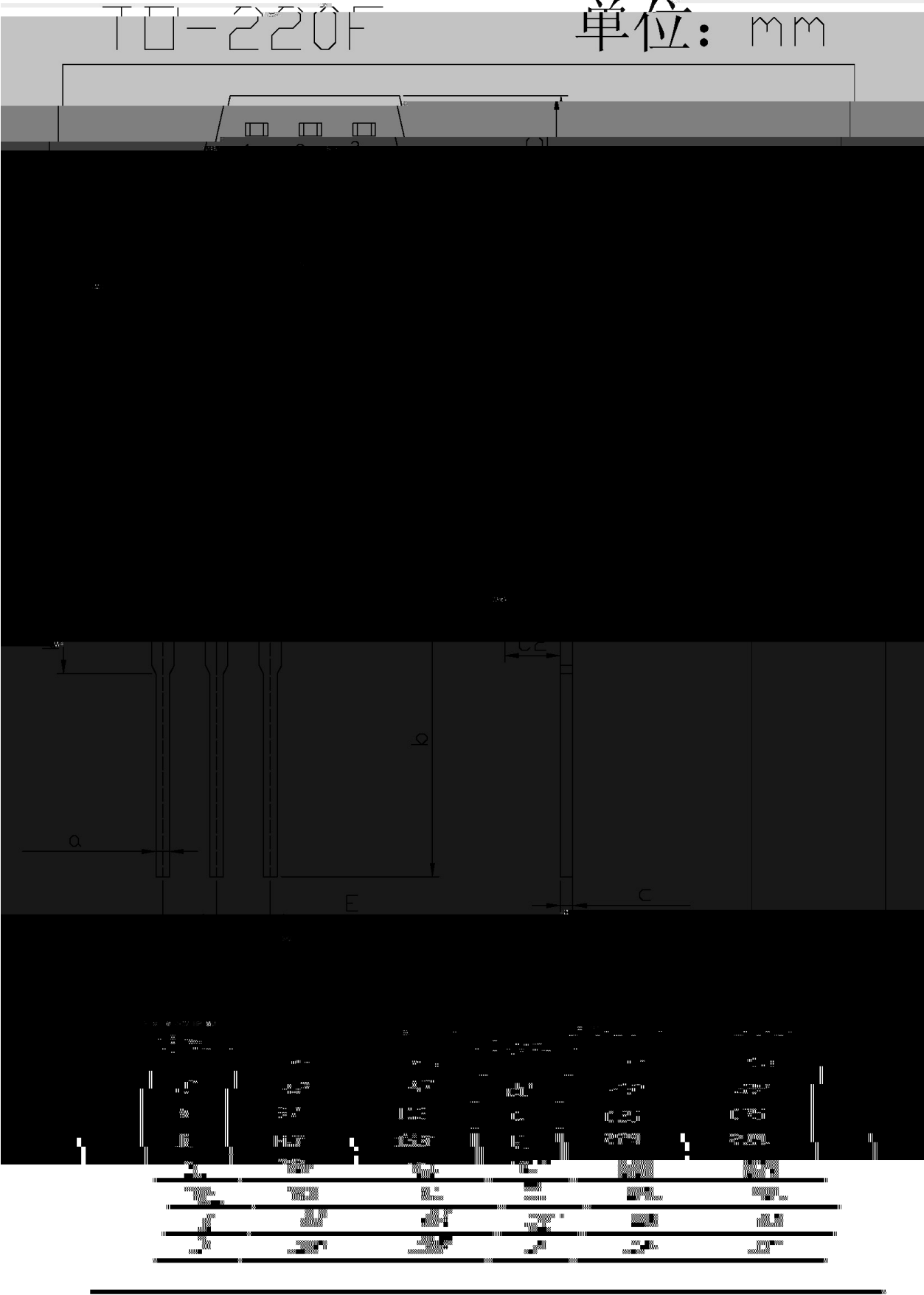
/ Absolute Maximum Ratings(Ta=25 °C)

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	60	V
Collector to Emitter Voltage	V_{CEO}	50	V
Emitter to Base Voltage	V_{EBO}	5.0	V
Collector Current - Continuous	I_C	3.0	A
Collector Power Dissipation	P_C	2.0	W
Collector Power Dissipation	$P_C(T_C=25^\circ C)$	25	W
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 ~ 150	

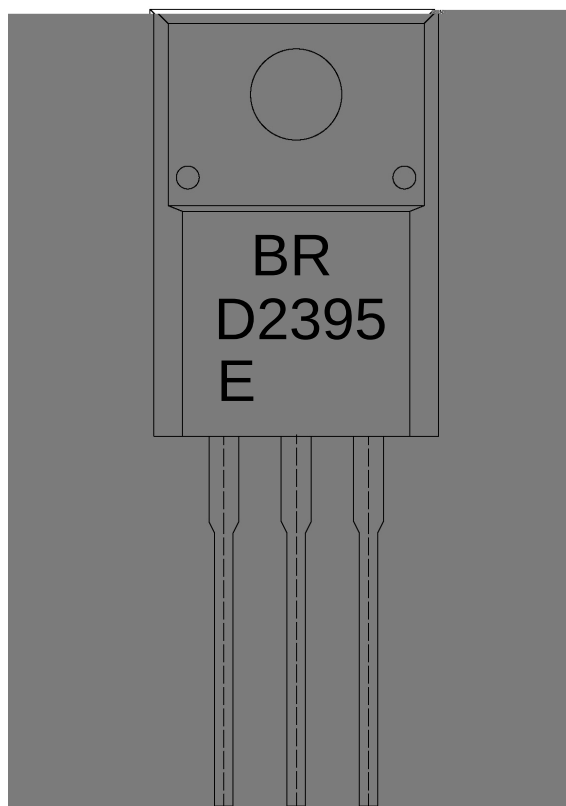
/ Electrical Characteristics(Ta=25 °C)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Base Breakdown Voltage	V_{CBO}	$I_C=50\mu A$	60			V
Collector to Emitter Breakdown Voltage	V_{CEO}	$I_C=1.0mA$	50			V
Emitter to Base Breakdown Voltage	V_{EBO}	$I_E=50\mu A$	5.0			V
Collector Cut-Off Current	I_{CBO}	$V_{CB}=40V$ $I_E=0$			1.0	μA
Emitter Cut-Off Current	I_{EBO}	$V_{EB}=4.0V$ $I_C=0$			1.0	μA
DC Current Gain	h_{FE}	$V_{CE}=5.0V$ $I_C=500mA$	100		320	
Collector to Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=2.0A$ $I_B=0.2A$			1.0	V
Base to Emitter Saturation Voltage	$V_{BE(sat)}$	$I_C=2.0A$ $I_B=0.2A$			1.5	V
Transition Frequency	f_T	$V_{CE}=5.0V$ $I_C=500mA$		100		MHz
Collector output capacitance	C_{ob}	$V_{CB}=10V$ $f=1.0MHz$ $I_E=0$		35		pF

/ Package Dimensions



/ Marking Instructions



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EU χ

G56<8 χ

$$H=$$

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Note:

BR:

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$$k_{IH} \approx 6 \text{ } \mu\text{g}$$

$\mathbb{H} \vdash \check{f}^N \Gamma_D \quad \vdash \check{f}^N \Psi_D$

Company Code.

Product Type.

h_{FE} Classifications Symbol

Lot No. Code, code change with Lot No.

1. $\dot{L} \approx \dot{y} \approx 25 \text{ K } 150 \text{ t } \dot{H} \approx 60 \text{ K } 90 \text{ sec};$
2. $\dot{S} \approx \dot{y} \approx 255^\circ 5 \text{ t } \dot{H} \approx \dot{Y} \approx 5^\circ 0.5 \text{ sec};$
3. $\dot{i} \approx \dot{y} \approx 2 \text{ K } 10 \text{ t/sec}.$

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

□ $\dot{\gamma}$ χ 270° 5 † H $\dot{\gamma}$ χ 10° 1 sec. Temp.: 270±5 Time: 10±1 sec

"Ω τ γ ε / BULK

[illegible]