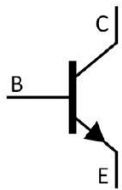


Rev. H Oct.-2018

WR0553 硅 NPN 三极管 1 封装 TO-220 塑料封装。Silicon NPN transistor in a TO-220 Plastic Package.

大直流电流($I_C=10A$), 高频率($f_T \geq 2MHz$)。

通用和开关应用。

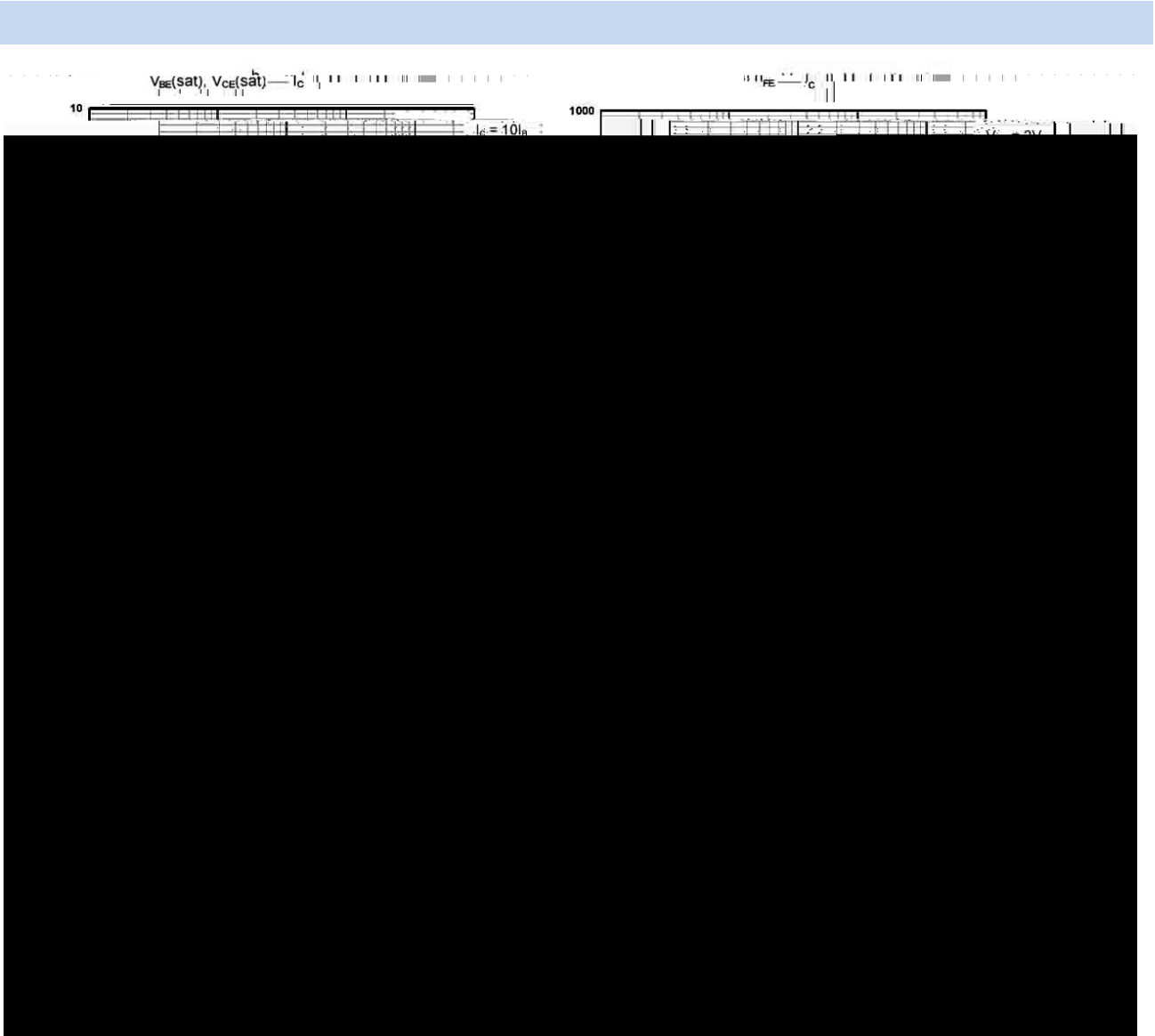


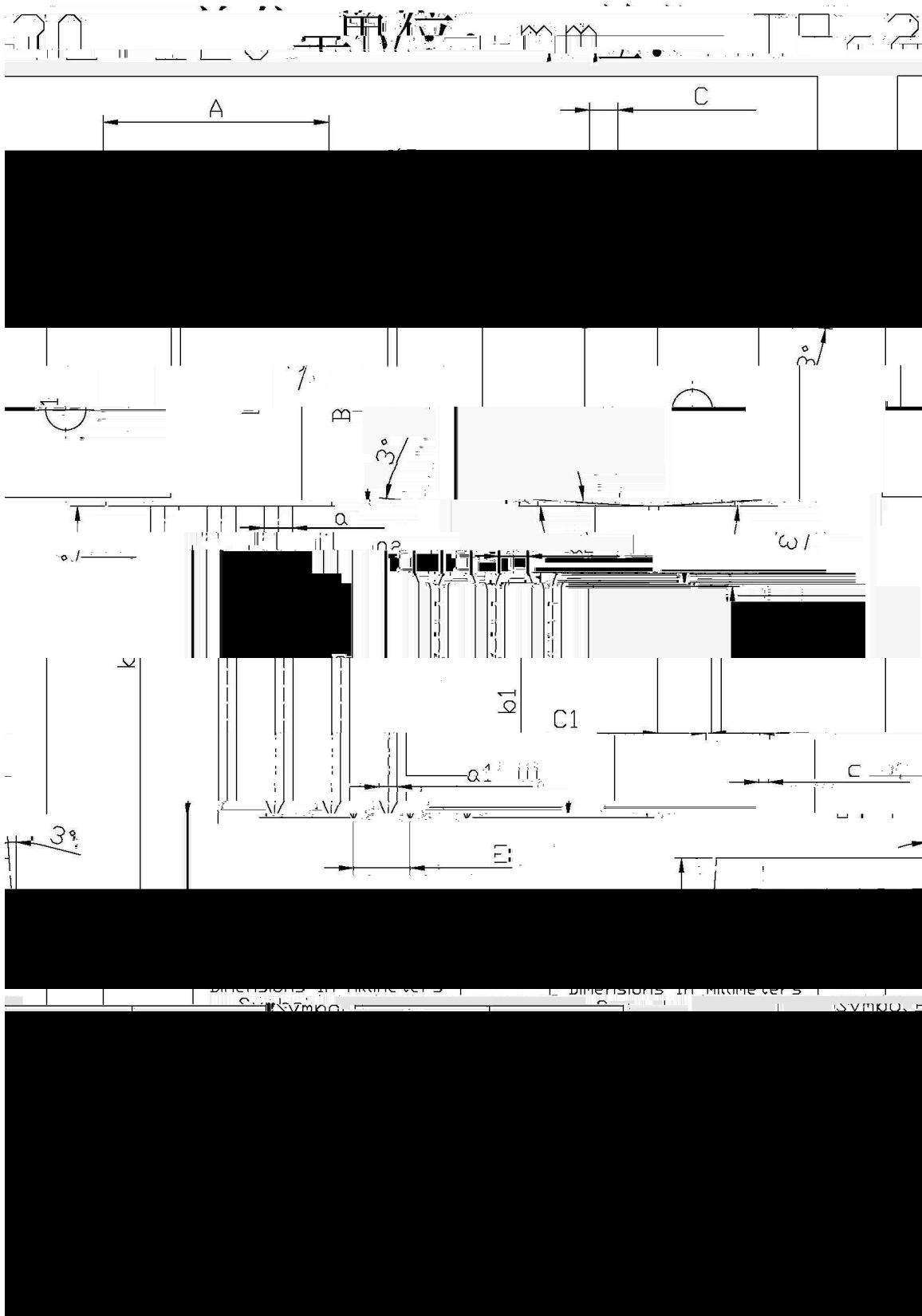
PIN1 基极 PIN 2 集电极 PIN 3 发射极

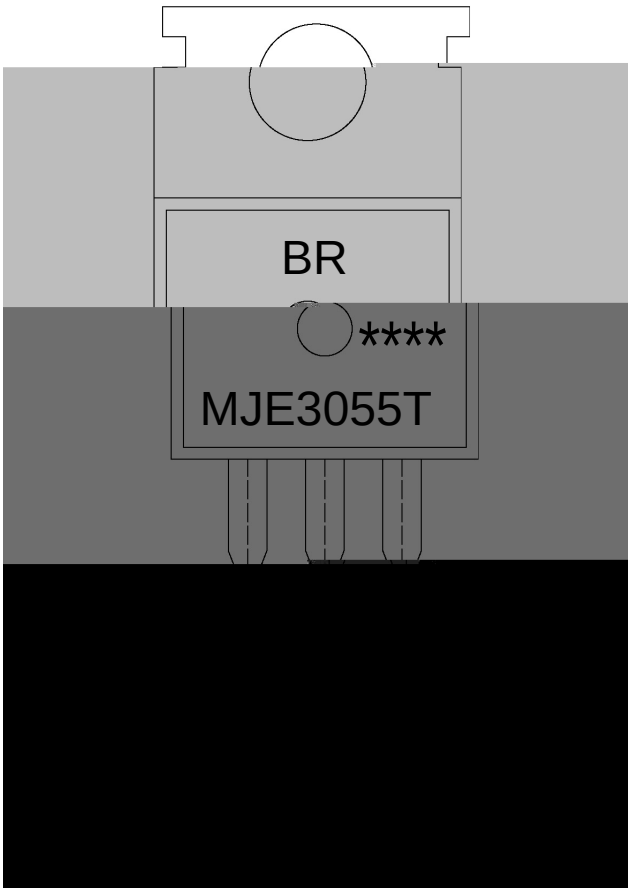
见 Marking Instructions.

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	70	V
Collector to Emitter Voltage	V_{CEO}	60	V
Emitter to Base Voltage	V_{EBO}	5.0	V
Collector Current - Continuous	I_C	10	A
Base Current - Continuous	I_B	6.0	A
Collector Power Dissipation	P_C	2.0	W
Collector Power Dissipation	$P_C(T_c=25^\circ\text{C})$	75	W
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 ~ 150	

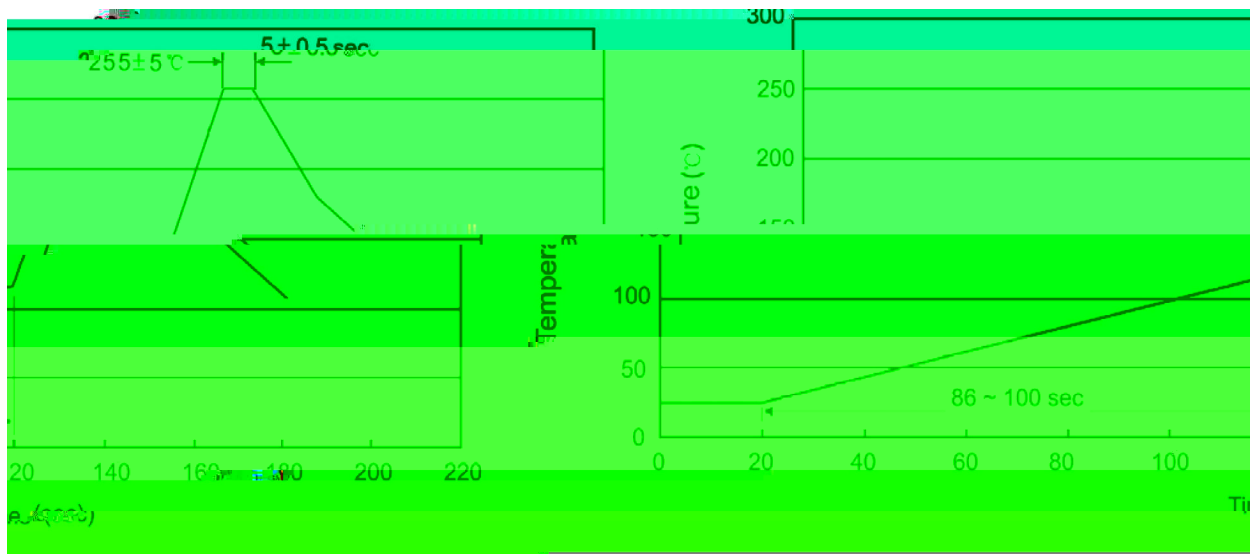
Parameter	Symbol	Test Conditions	Min	Ty10.1.3	Max	Unit
Collector to Emitter Breakdown Voltage	V_{CEO}	$I_C=200\text{mA}$ $I_B=0$	60			V
Collector Cut-Off Current	I_{CEO}	$V_{CE}=30\text{V}$ $I_B=0$			700	μA
Emitter Cut-Off Current	I_{EBO}	$V_{EB}=5.0\text{V}$ $I_C=0$			5.0	mA
Collector Cut-Off Current	I_{CEX}	$V_{BE(off)}=-1.5\text{V}$ $V_{CE}=70\text{V}$			1.0	mA
DC Current Gain	$h_{FE(1)}$	$V_{CE}=4.0\text{V}$ $I_C=4.0\text{A}$	20		100	
	$h_{FE(2)}$	$V_{CE}=4.0\text{V}$ $I_C=10\text{A}$	5.0			
Collector to Emitter Sat Voltage	$V_{CE(sat)(1)}$	$I_C=4.0\text{A}$ $I_B=0.4\text{A}$			1.1	V
	$V_{CE(sat)(2)}$	$I_C=10\text{A}$ $I_B=3.3\text{A}$			8.0	V
Base to Emitter On Voltage	$V_{BE(on)}$	$V_{CE}=4.0\text{V}$ $I_C=4.0\text{A}$			1.8	V
Transition Frequency	f_T	$V_{CE}=10\text{V}$ $I_C=500\text{mA}$	2.0			MHz







” X
EU X 𐄂 𐄃 𐄄 𐄅
PMH6388W X 𐄆 𐄇 𐄈 𐄉
---- X 𐄊 𐄋 𐄌 𐄍 𐄎 𐄏 𐄐 𐄑 𐄒 𐄓
Note:
BR: Company Code
MJE3055T: Product Type.
****: Lot No. Code, code change with Lot No.



注

1. 预加热: $25 \sim 150^\circ\text{C}$, 时间: $60 \sim 90\text{sec}$;
2. 峰值温度: $255 \pm 5^\circ\text{C}$, 持续时间: $5 \pm 0.5\text{sec}$;
3. 冷却速度: $2 \sim 10^\circ\text{C/sec}$.

Note:

1. Preheating: $25 \sim 150^\circ\text{C}$, Time: $60 \sim 90\text{sec}$.
2. Peak Temp.: $255 \pm 5^\circ\text{C}$, Duration: $5 \pm 0.5\text{sec}$.
3. Cooling Speed: $2 \sim 10^\circ\text{C/sec}$.

 温度: $270 \pm 5^\circ\text{C}$ 时间: $10 \pm 1\text{sec}$

 Temp.: 270 ± 5

 Time: $10 \pm 1\text{sec}$

包装形式 / BULK

Package Type	Units					Dimension (unit mm ³)		
	Units/Bag	Bags/Inner Box	Units/Inner Box	Inner Boxes/Outer Box	Units/Outer Box	Bag	Inner Box	Outer Box
TO-220/F	200	10	2,000	5	10,000	135×190	237×172×102	560×245×195

包装形式 / TUBE

Package Type	Units					Dimension (unit mm ³)		
	Units/Tube	Tubes/Inner Box	Units/Inner Box	Inner Boxes/Outer Box	Units/Outer Box	Tube	Inner Box	Outer Box
TO-220/F	50	20	1,000	5	5,000	532×31.4×5.5	555×164×50	575×290×180