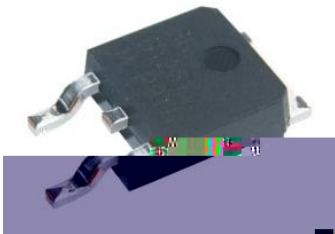
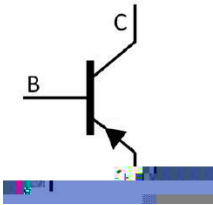


Rev.E May.-2016

KF \$,) GE G Silicon PNP transistor in a TO-252 Plastic Package.

V_{CE0}
Low Collector–Emitter Saturation Voltage, High Current–Gain.

Low power audio amplifier, Low current, high speed switching applications.

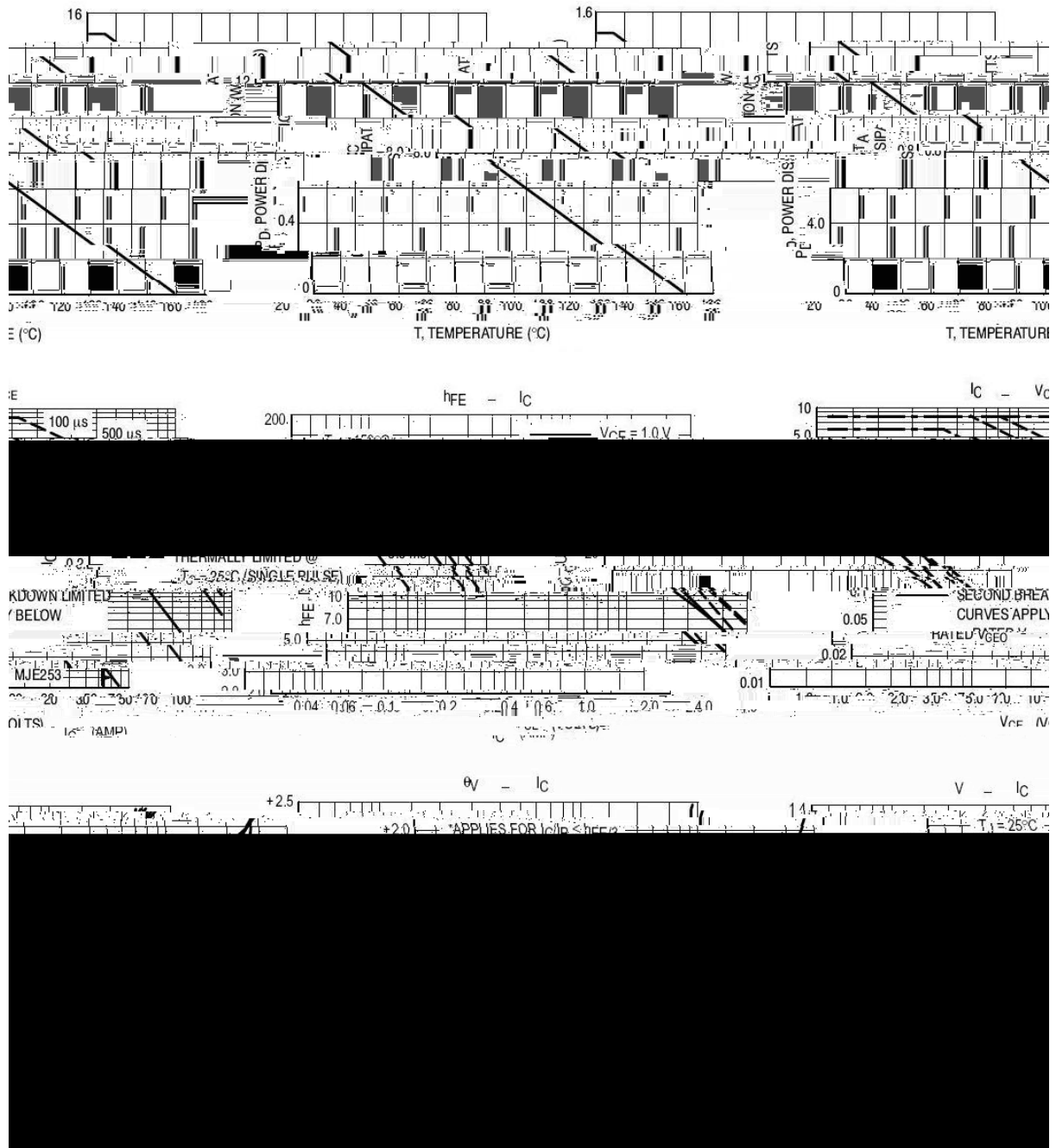


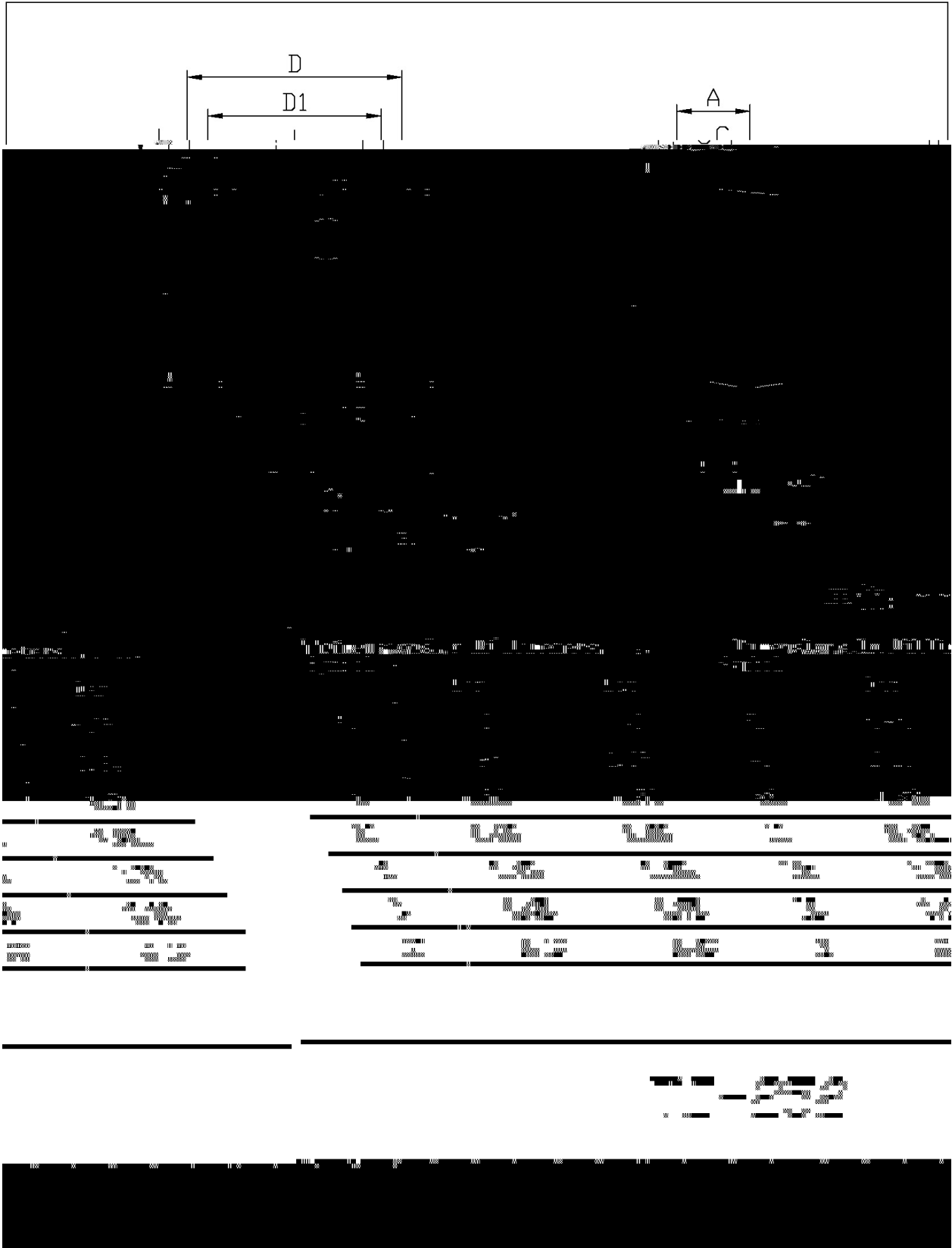
PIN1 Base PIN 2,4 Collector PIN 3 Emitter

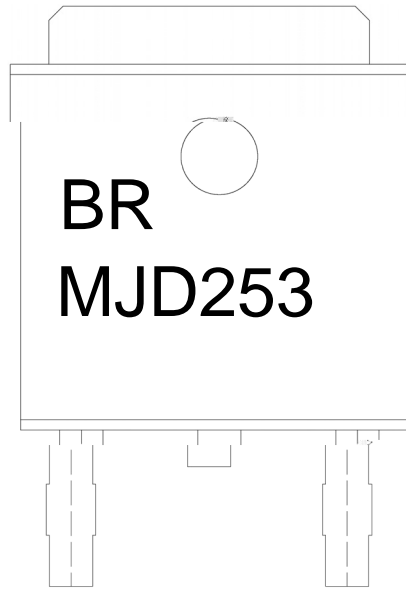
See Marking Instructions.

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	-100	V
Collector to Emitter Voltage	V_{CEO}	-100	V
Emitter to Base Voltage	V_{EBO}	-7.0	V
Collector Current - Continuous	$I_{C(1)}$	-4.0	A
Peak Collector Current - Continuous	$I_{C(2)}$	-8.0	A
Base Current - Continuous	I_B	-10	A
Collector Power Dissipation	P_D	1.4	W
Collector Power Dissipation	$P_D(T_C=25)$	12.5	W
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Emitter Breakdown Voltage	V_{CEO}	$I_C=-10mA$ $I_B=0$	-100			V
Collector Cut-Off Current	$I_{CBO(1)}$	$V_{CB}=-100V$ $I_E=0$			-0.1	μA
	$I_{CBO(2)}$	$V_{CE}=-100V$ $T_C=125$			-0.1	mA
Emitter Cut-Off Current	I_{EBO}	$V_{EB}=-7.0V$ $I_C=0$			-0.1	μA
DC Current Gain	$h_{FE(1)}$	$V_{CE}=-1.0V$ $I_C=-200mA$	40		180	
	$h_{FE(2)}$	$V_{CE}=-1.0V$ $I_C=-1.0A$	15			
Collector to Emitter Saturation Voltage	$V_{CE(sat)(1)}$	$I_C=-500mA$ $I_B=-50mA$			-0.3	V
	$V_{CE(sat)(2)}$	$I_C=-1.0A$ $I_B=-100mA$			-0.6	V
Base to Emitter Saturation Voltage	$V_{BE(sat)}$	$I_C=-2.0A$ $I_B=-200mA$			-1.8	V
Base to Emitter On Voltage	$V_{BE(on)}$	$V_{CE}=-1.0V$ $I_C=-500mA$			-1.5	V
Current- Gain Bandwidth Product	f_T	$V_{CE}=-10V$ $I_C=-100mA$	40			MHz
Output Capacitance	C_{ob}	$V_{CB}=-10V$ $f=0.1MHz$			50	pF







BR

D A), *

!!!!

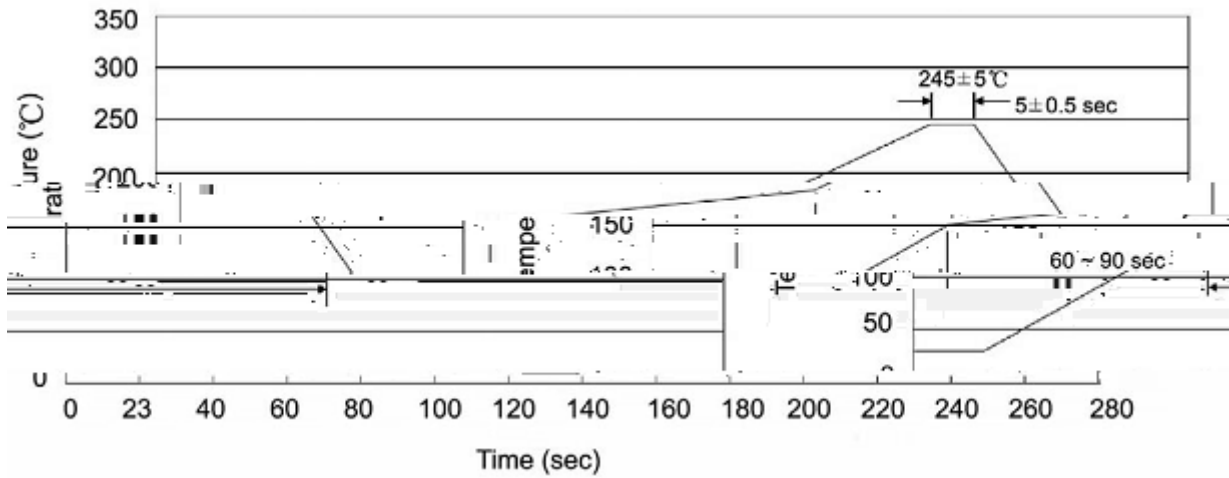
Note:

BR: Company Code

MJD253: Product Type.

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

Temperature Profile for IR Reflow Soldering(Pb-Free)



Note:

- | | | | |
|---|--------|------------|---|
| 1 | 25 150 | 60 90sec; | 1.Preheating:25~150 , Time:60~90sec. |
| 2 | 245..5 | 5..0.5sec; | 2.Peak Temp.:245..5 , Duration:5..0.5sec. |
| 3 | | 2 10 /sec. | 3. Cooling Speed: 2~10 /sec. |

260..5

10..1 sec.

Temp.:260±5

Time:10±1 sec

/ REEL

Package Type	Units				Dimension (unit mm ³)		