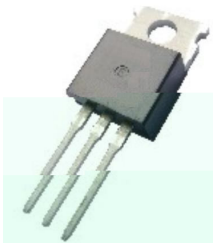
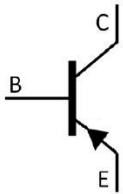


Rev. C Oct.-2018

TO-220 PNP Silicon PNP transistor in a TO-220 Plastic Package.

45-50W BR2SD718AR
 For 45-50W audio frequency amplifier output stage, Complementary to BR2SD718AR.

Designed for use in audio frequency amplifier.

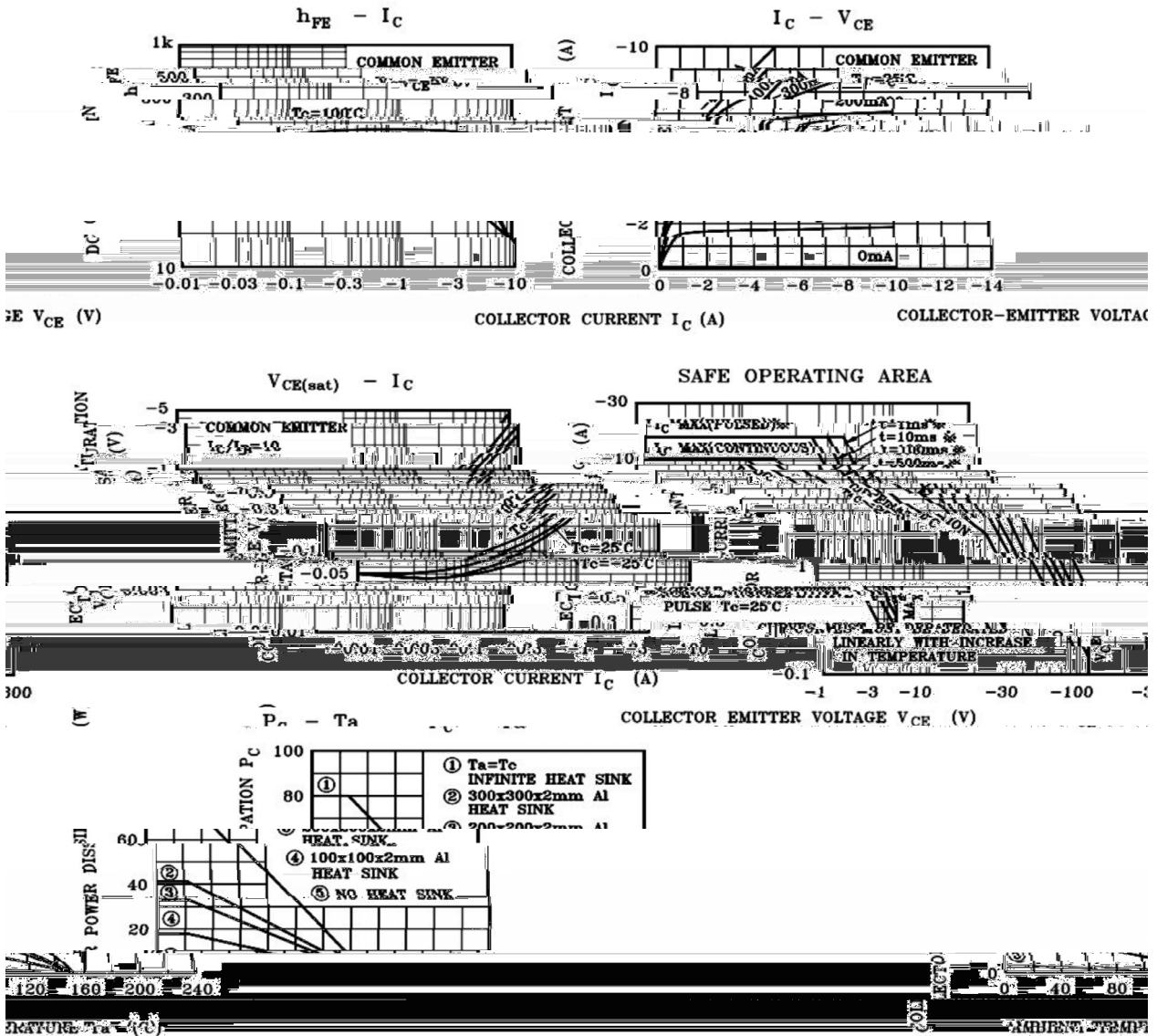


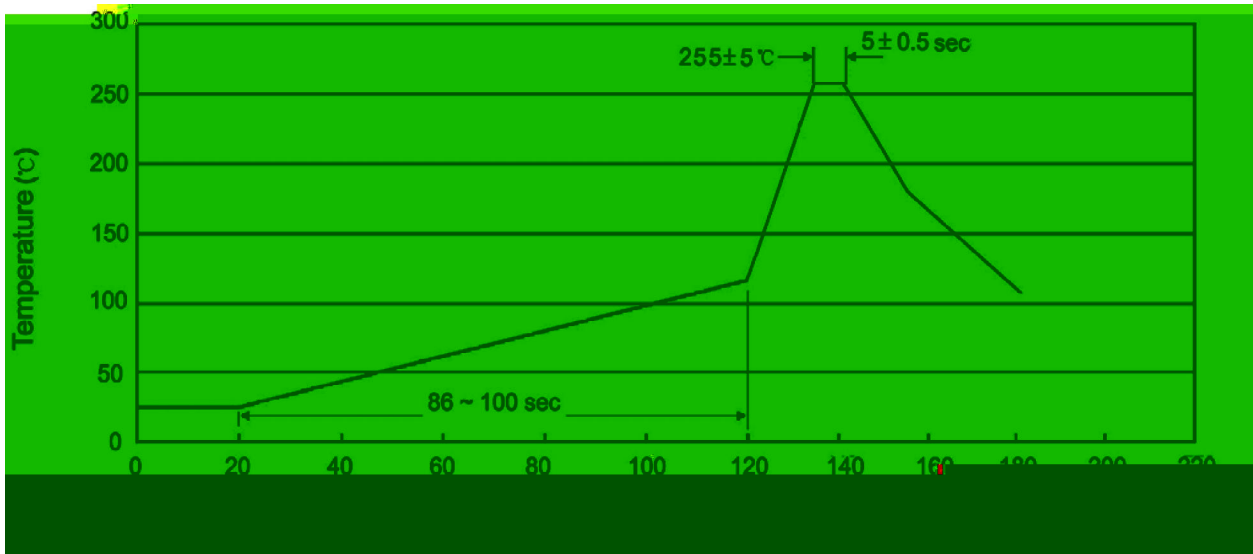
PIN1 Base PIN 2 Collector PIN 3 Emitter

h_{FE} Classifications Symbol	O	Y
h_{FE} Range	60 120	100 200

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	-120	V
Collector to Emitter Voltage	V_{CEO}	-120	V
Emitter to Base Voltage	V_{EBO}	-5.0	V
Collector Current - Continuous	I_C	-10	A
Base Current	I_B	-1.0	A
Collector Power Dissipation	$P_C(TC=25)$	80	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}	$I_C=-10mA$ $I_B=0$	-130		-300	V
Collector Cut-Off Current	I_{CBO}	$V_{CB}=-120V$ $I_E=0$			-1.0	μA
Emitter Cut-Off Current	I_{EBO}	$V_{EB}=-5.0V$ $I_C=0$			-1.0	μA
DC Current Gain	h_{FE}	$V_{CE}=-5.0V$ $I_C=-1.0A$	80		160	
Collector to Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=-6.0A$ $I_B=-600mA$	-0.5		-1.5	V
Base to Emitter Voltage	V_{BE}	$V_{CE}=-5.0V$ $I_C=-5.0A$	-0.5		-1.5	V
Transition Frequency	f_T	$V_{CE}=-5.0V$ $I_C=-1.0A$ $f=1.0MHz$		10		MHz
Collector Output Capacitance	C_{ob}	$V_{CB}=-10V$ $I_E=0$ $f=1.0MHz$		280		pF




Note:

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

270±5

10±1 sec.

Temp.: 270±5

Time: 10±1 sec

/ BULK

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	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Bag 袋	Inner Box 盒	Outer Box 箱
TO-220/F	200	10	2,000	5	10,000	135×190	237×172×102	560×245×195

/ TUBE

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm ³)		
	Units/Tube 只/套管	Tubes/Inner Box 套管/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Tube 套管	Inner Box 盒	Outer Box 箱
TO-220/F	50	20	1,000	5	5,000	532×31.4×5.5	555×164×50	575×290×180