

/ Descriptions

WR0585 ММ Ё SQS æ М ы s ll 1 Silicon PNP transistor in a TO-252 Plastic Package.

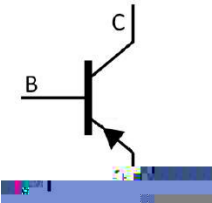
/ Features

т ² я ь ñ /ь 5VG4:8; Ы ´
Low $V_{CE(sat)}$, complements the 2SD1758.

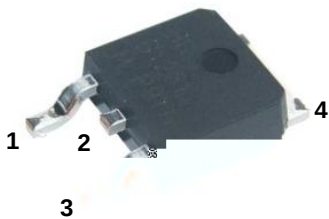
/ Applications

т ² æ А I ' Ѡ з
Medium power amplifier applications.

/ Equivalent Circuit



/ Pinning



PIN1 χ Base PIN 2,4 χ Collector PIN 3 χ Emitter

/ h_{FE} Classifications & Marking

h_{FE} Classifications Symbol	P	Q	R
h_{FE} Range	82 180	120 270	180 390

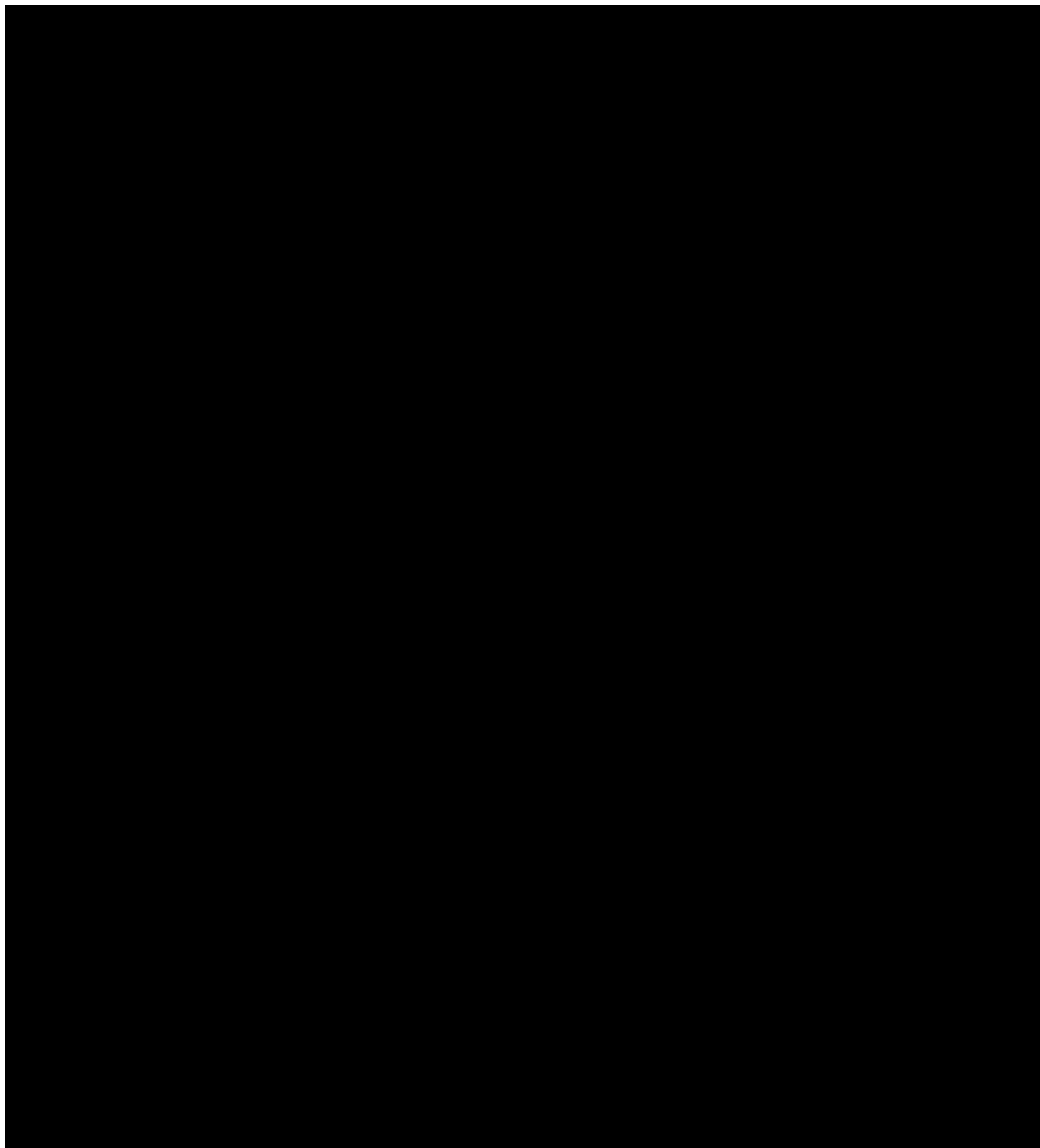
/ Absolute Maximum Ratings(Ta=25)

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	-40	V
Collector to Emitter Voltage	V_{CEO}	-32	V
Emitter to Base Voltage	V_{EBO}	-5.0	V
Collector Current - Continuous	I_C	-2.0	A
Collector Current - Continuous	I_{CM}	-3.0	A
Collector Power Dissipation	P_C	1.0	W
Collector Power Dissipation	$P_C(T_c=25)$	10	W
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 ~ 150	

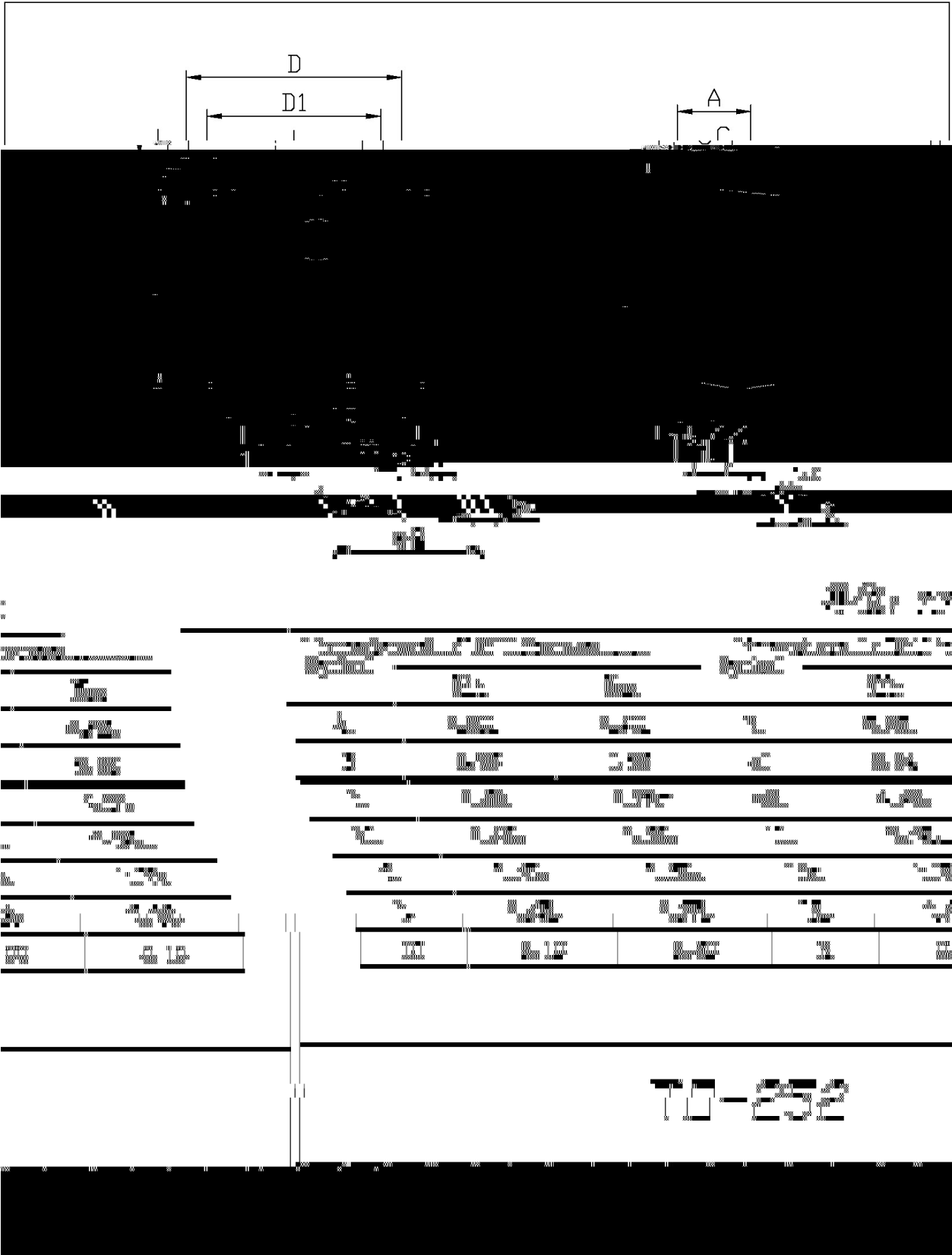
/ Electrical Characteristics(Ta=25)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Base Breakdown Voltage	V_{CBO}	$I_C=-50\text{ A}$ $I_E=0$	-40			V
Collector to Emitter Breakdown Voltage	V_{CEO}	$I_C=-1.0\text{mA}$ $I_B=0$	-32			V
Emitter to Base Breakdown Voltage	V_{EBO}	$I_E=-50\text{ A}$ $I_C=0$	-5.0			V
Collector Cut-Off Current	I_{CBO}	$V_{CB}=-20\text{V}$ $I_E=0$			-1.0	A
Emitter Cut-Off Current	I_{EBO}	$V_{EB}=-4.0\text{V}$ $I_C=0$			-1.0	A
DC Current Gain	h_{FE}	$V_{CE}=-3.0\text{V}$ $I_C=-0.5\text{A}$	82		390	
Collector to Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=-2.0\text{A}$ $I_B=-0.2\text{A}$		-0.5	-0.8	V
Transition Frequency	f_T	$V_{CE}=-5.0\text{V}$ $I_C=-0.5\text{A}$ $f=30\text{MHz}$		100		MHz
Collector output capacitance	C_{ob}	$V_{CB}=-10\text{V}$ $I_E=0$ $f=1.0\text{MHz}$		50		pF

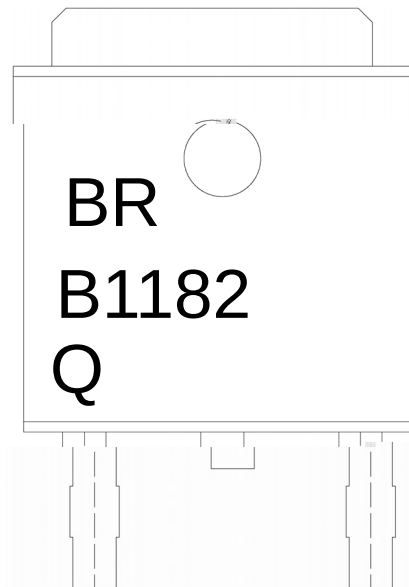
/ Electrical Characteristic Curve



/ Package Dimensions

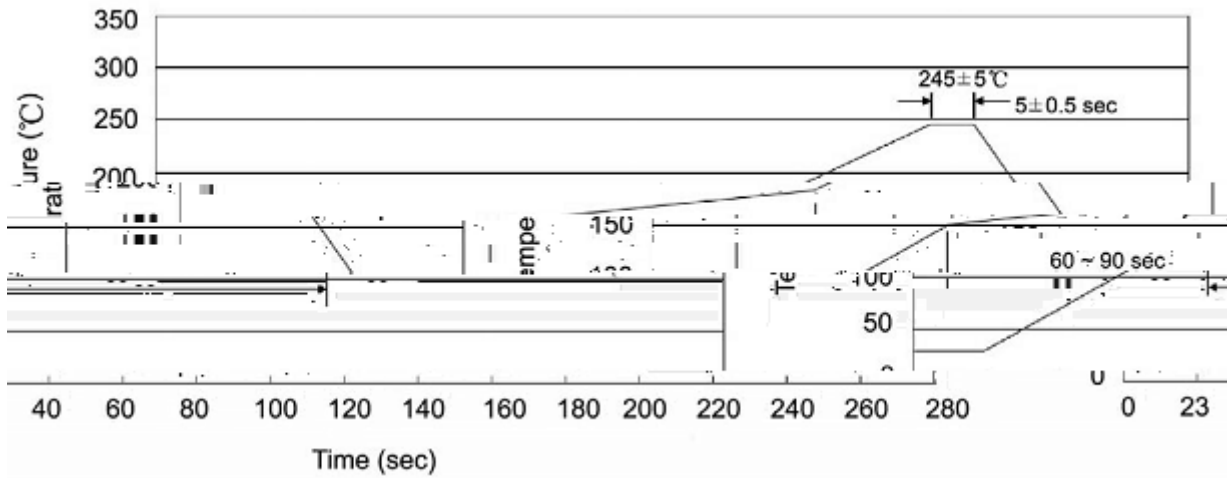


/ Marking Instructions



BR	公司代码
E44;5	封装形式
T=	特征频率 f _T (MHz)
----	产品代码
Note:	
BR:	Company Code
B1182:	Product Type.
Q:	h _{FE} Classifications Symbol
****:	Lot No. Code, code change with Lot No.

() /



℃

1. 预加热: 25~150℃, 时间: 60~90sec;
2. 峰值温度: 245±5℃, 持续时间: 5±0.5sec;
3. 冷却速度: 2~10℃/sec.

Note:

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

/ Resistance to Soldering Heat Test Conditions

□ 预加热: 260±5℃, 时间: 10±1 sec. Temp.: 260±5 Time: 10±1 sec

/ Packaging SPEC.

□ 预加热: / REEL

Package Type	Units	Dimension	(unit mm ³)
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