

/ Descriptions

WR-585 M M QSQ II 1 Silicon NPN transistor in a TO-252 Plastic Package.

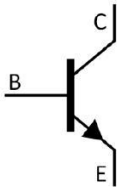
/ Features

$h_{FE} \geq 100$ $H_{FE} \geq 5VB4745$
Excellent h_{FE} linearity, low $V_{CE(sat)}$, complements the 2SB1412.

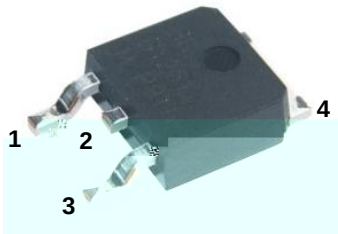
/ Applications

τ σ ' $\dot{\omega}$
Strobe flash applications, medium power amplifier applications.

/ Equivalent Circuit



/ Pinning



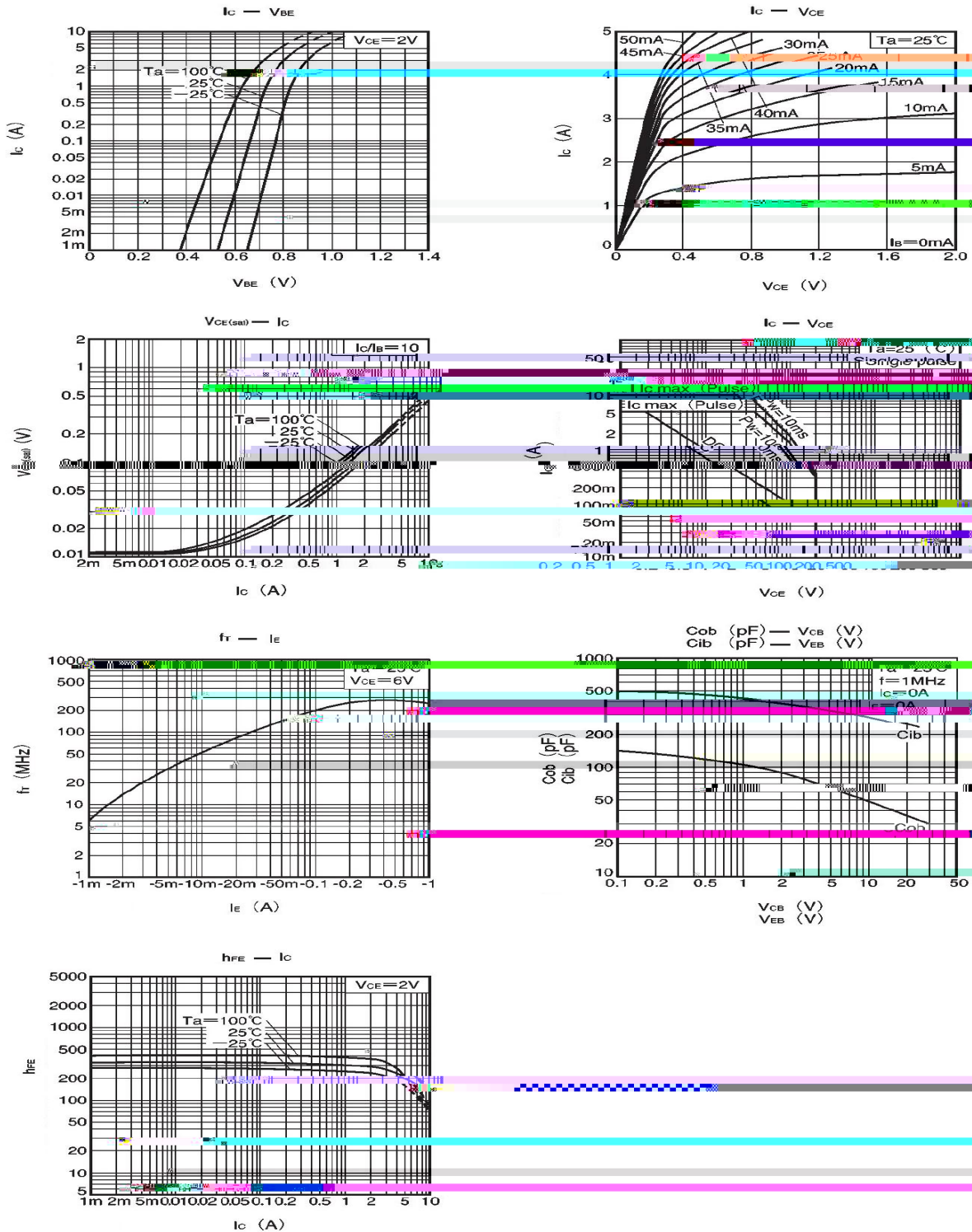
PIN1 Base PIN 2,4 Collector PIN 3 Emitter

/ h_{FE} Classifications & Marking

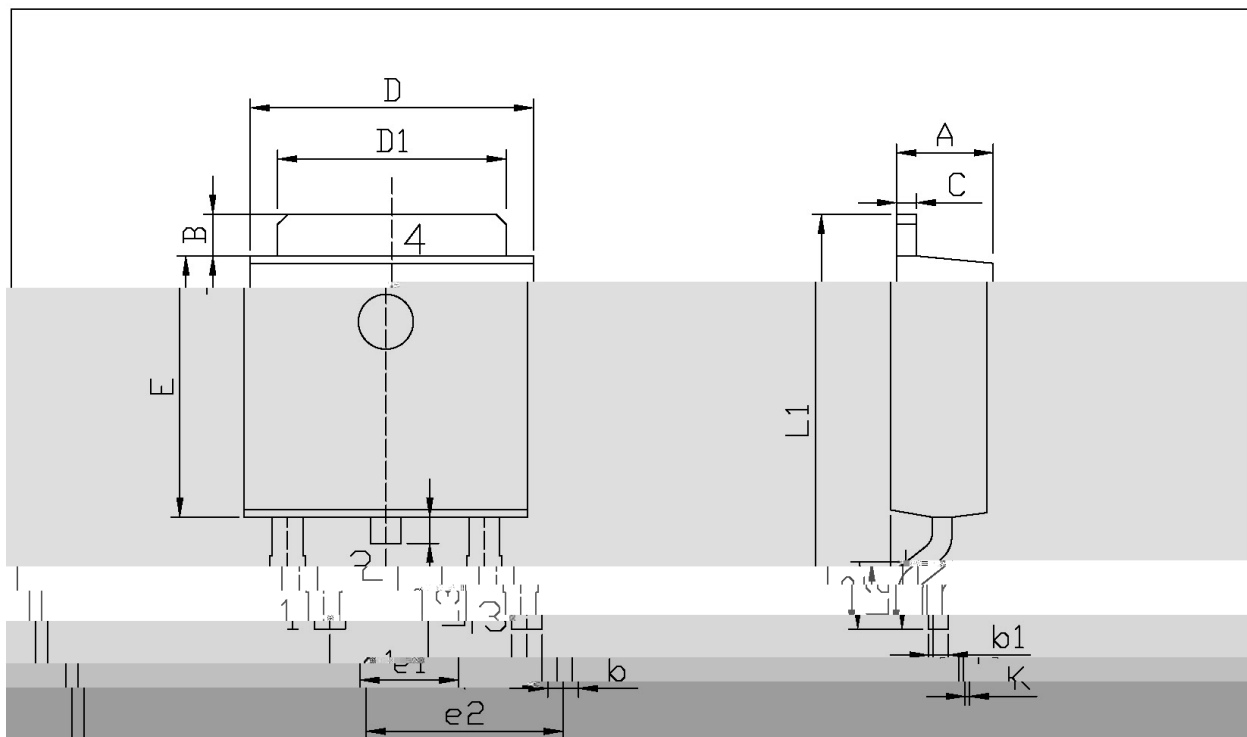
h_{FE} Classifications Symbol	Q	R
h_{FE} Range	120 270	180 390

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	50	V
Collector to Emitter Voltage	V_{CEO}	20	V
Emitter to Base Voltage	V_{EBO}	6.0	V
Collector Current - Continuous	I_C	5.0	A
Peak Collector Current – Continuous	I_{CM}	10	mA

/ Electrical Characteristic Curve



/ Package Dimensions

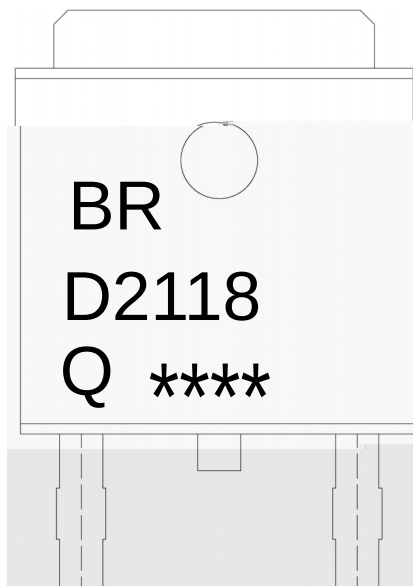


单位: mm

ID	Part Name	Drawing Ref	Dimensions In Millimeters			Dimensions In Millimeters		
			Symbol	Min	Max	Symbol	Min	Max
			A1	2.20	2.40	E1	5.95	6.25
			B	0.95	1.25	e1	2.24	2.34
			b	0.50	0.70	e2	4.43	4.73
			b1	0.45	0.55	L1	9.45	9.95
			c	0.45	0.55	L2	1.25	1.75
			D	6.45	6.75	L3	0.60	0.90

TO-252

/ Marking Instructions



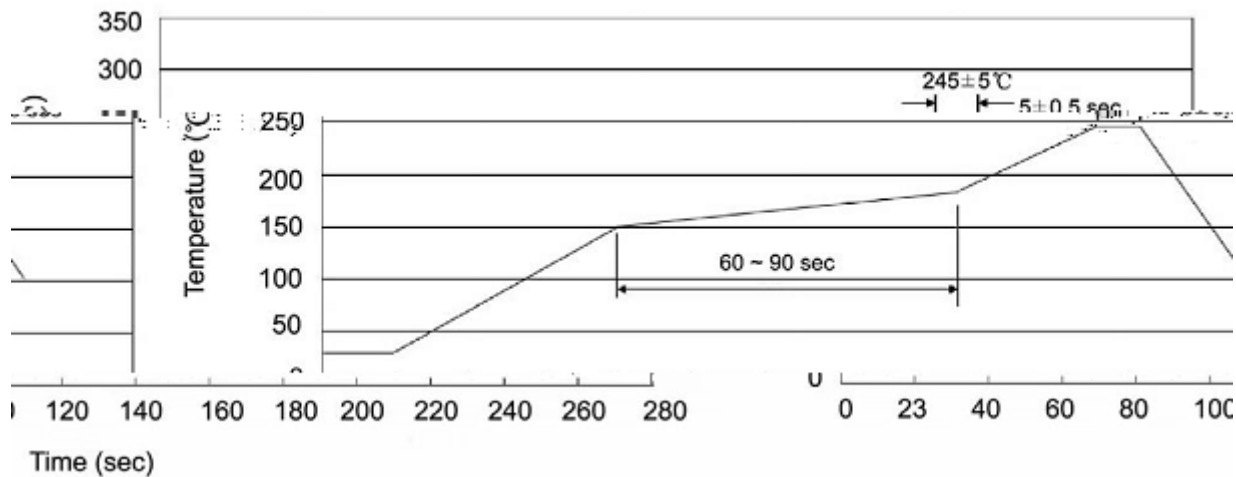
”

BR	И .
G5448	N .
T:	h_{FE} 6 .
****	↑ њ N . ↑ њ N

Note:

BR:	Company Code
D2118:	Product Type.
Q:	h_{FE} Classifications Symbol
****:	Lot No. Code, code change with Lot No.

() / Temperature Profile for IR Reflow Soldering(Pb-Free)



Note:

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

/ Resistance to Soldering Heat Test Conditions

□ 260±5 °C, Time: 10±1 sec. Temp.: 260±5 °C Time: 10±1 sec

/ Packaging SPEC.

/ REEL

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm ³)		
	Units/Reel 只/卷盘	Reels/Inner Box 卷盘/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Reel	Inner Box 盒	Outer Box 箱
TO-252	2,500	2	5,000	5	25,000	13 × 16	360×360×50	385×257×392

1 / 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-251/252	75	48	3,600	5	18,000	526×20.5×5.25	555×164×50	575×290×180

/ Notices