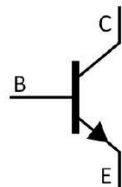


WR0585 ММ QSQ Æ М ч s ll 1 Silicon NPN transistor in a TO-252 Plastic Package.

кIH 1 ó В i = я H i лЬ 5VE4745 Й
Excellent hFE linearity, low V_{CE(sat)}, complements the 2SB1412.

ƒˆˆ * σ U i A i ' ˆ ˆ z
Strobe flash applications, medium power amplifier applications.

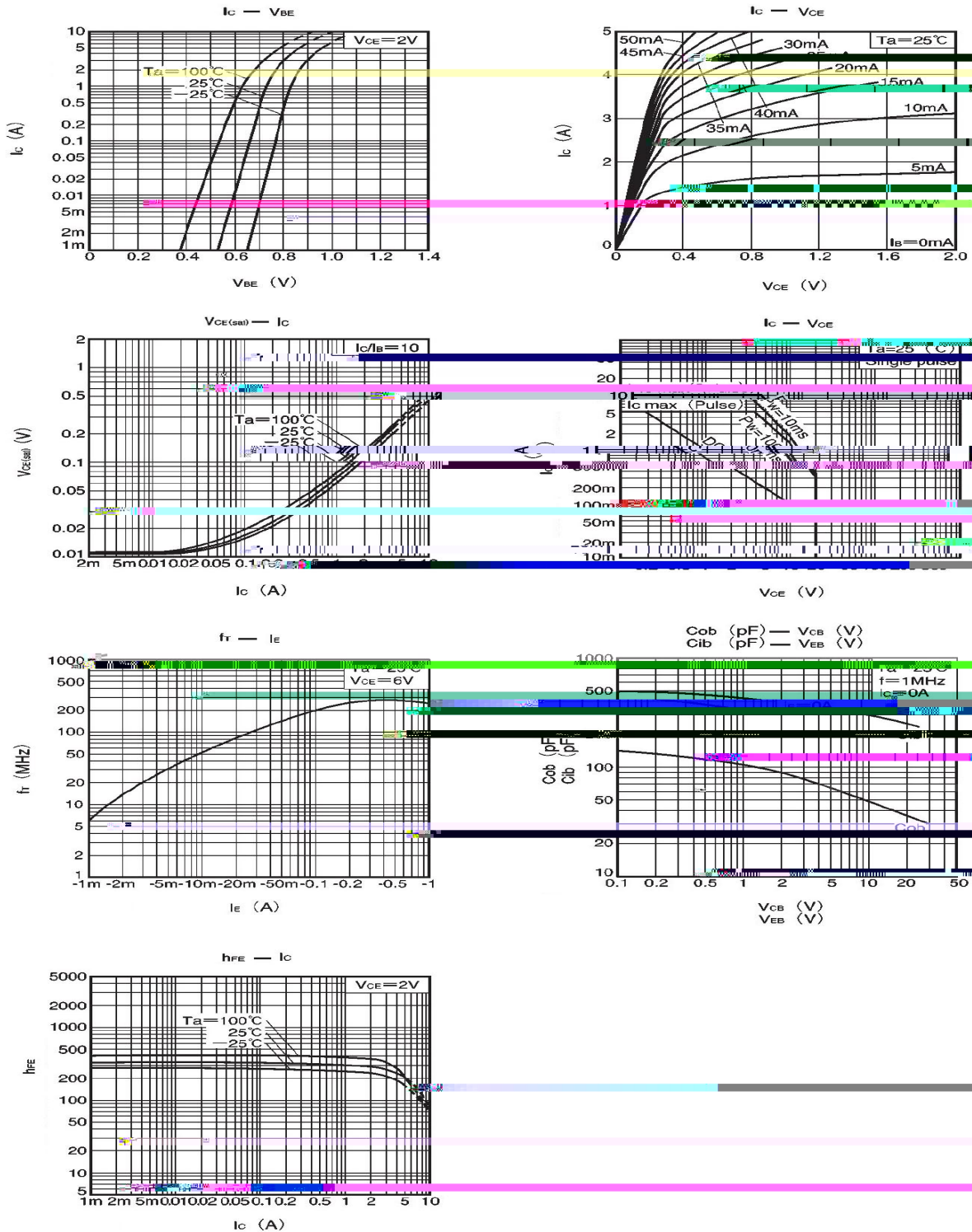


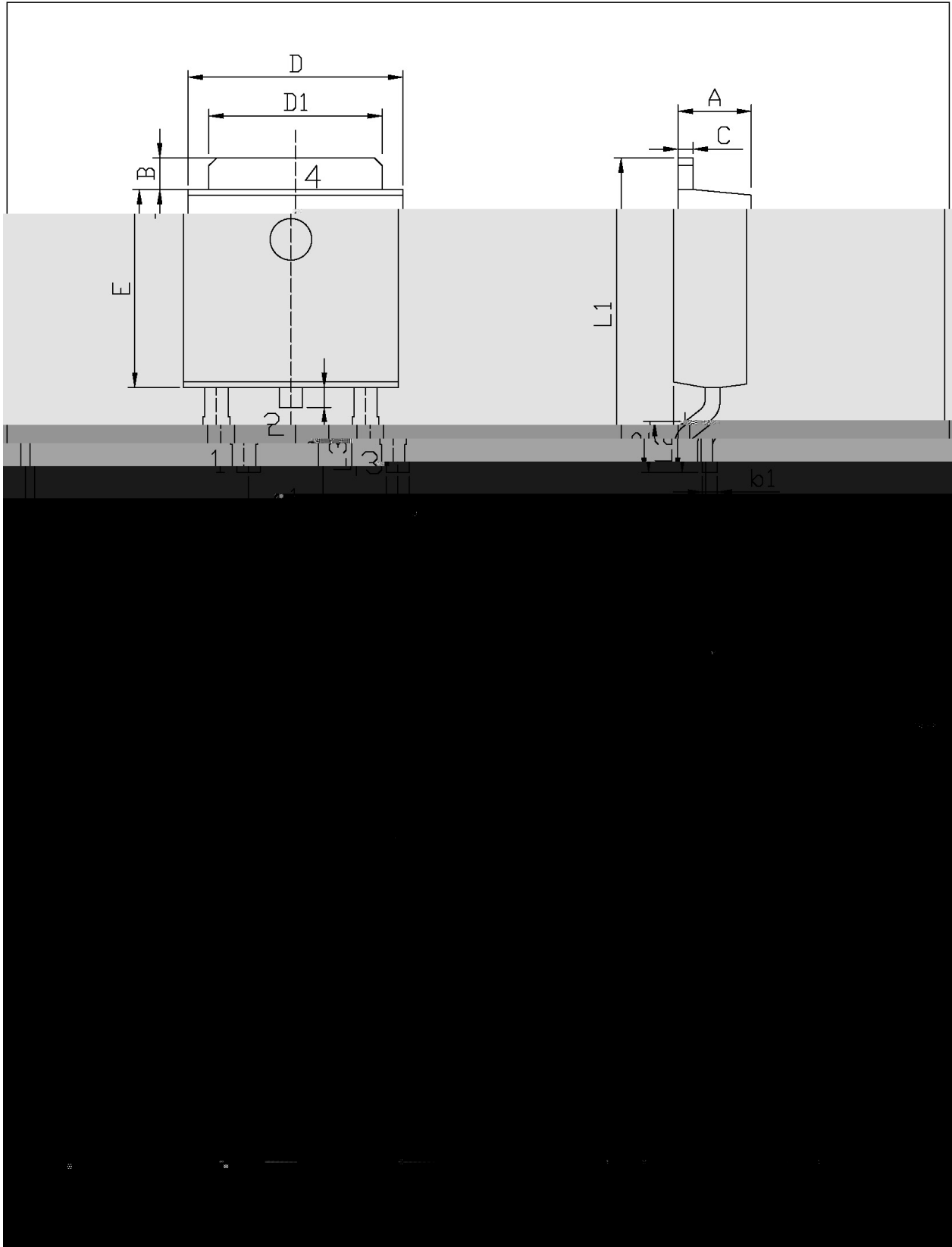
PIN1 χ Base PIN 2,4 χ Collector PIN 3 χ Emitter

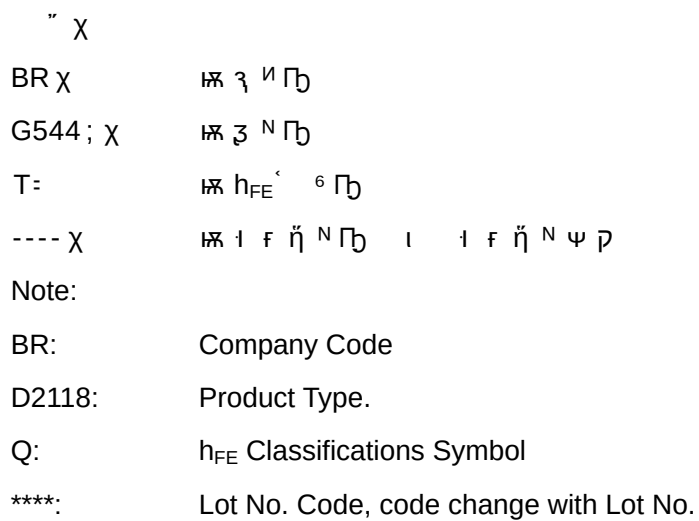
h _{FE} Classifications Symbol	Q	R
h _{FE} Range	120 270	180 390

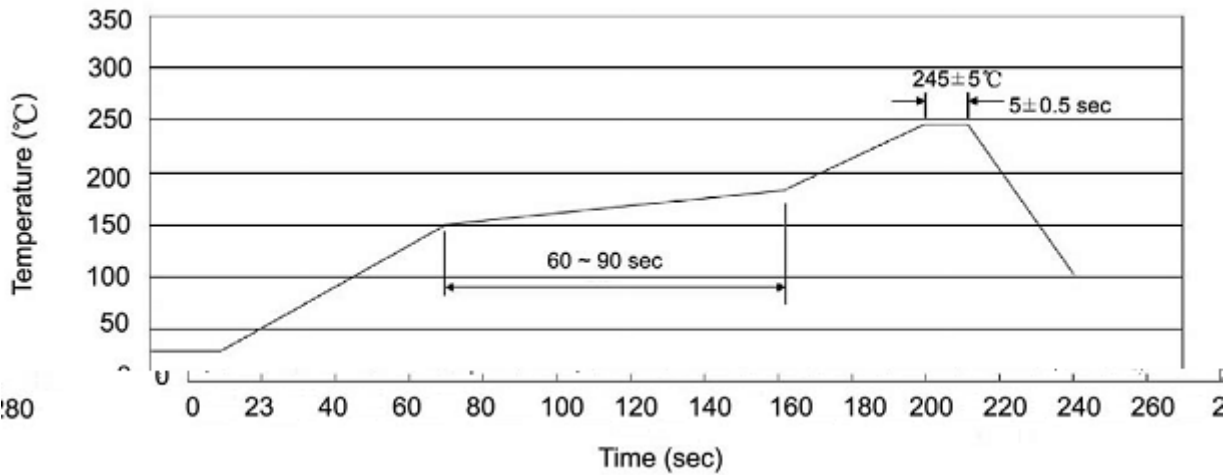
Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	50	V
Collector to Emitter Voltage	V_{CEO}	20	V
Emitter to Base Voltage	V_{EBO}	6.0	V
Collector Current - Continuous	I_C	5.0	A
Peak Collector Current – Continuous	I_{CM}	10	mA
Collector Power Dissipation	P_C	1.0	W
Collector Power Dissipation	$P_C(T_C=25^\circ\text{C})$	10	W
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 ~ 150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Base Breakdown Voltage	V_{CBO}	$I_C=50\mu\text{A}$ $I_E=0$	50			V
Collector to Emitter Breakdown Voltage	V_{CEO}	$I_C=1.0\text{mA}$ $I_B=0$	20			V
Emitter to Base Breakdown Voltage	V_{EBO}	$I_E=50\mu\text{A}$ $I_C=0$	6.0			V
Collector Cut-Off Current	I_{CBO}	$V_{CB}=40\text{V}$ $I_E=0$			0.5	μA
Emitter Cut-Off Current	I_{EBO}	$V_{EB}=5.0\text{V}$ $I_C=0$			0.5	μA
DC Current Gain	h_{FE}	$V_{CE}=2.0\text{V}$ $I_C=0.5\text{A}$	120		390	
Collector to Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=4.0\text{A}$ $I_B=0.1\text{A}$		0.25	1.0	V
Transition Frequency	f_T	$V_{CE}=6.0\text{V}$ $I_C=50\text{mA}$ $f=100\text{MHz}$		150		MHz
Collector output capacitance	C_{ob}	$V_{CE}=20\text{V}$ $I_C=0$ $f=1.0\text{MHz}$		30		pF









- “X

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

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

□ / 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

□ / 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