2SD1899

Rev.E May.-2016

蓝箭电子
BLUE ROCKET ELECTRONICS

DATA SHEET

Silicon NPN transistor in a TO-252 Plastic Package.

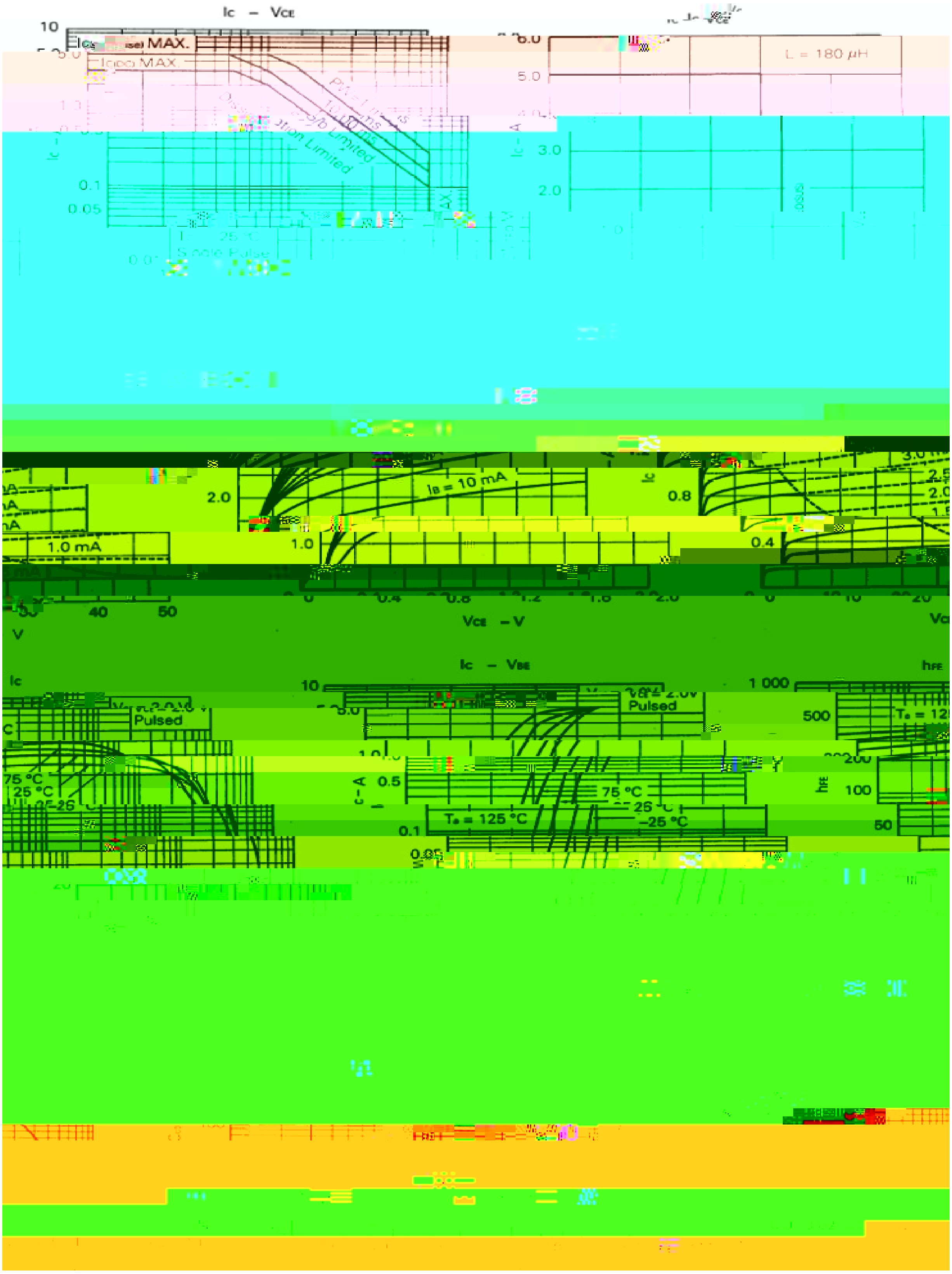
Low $V_{CE(sat)}$, 10.5 62.94 731.2403 Tm-0.0002 Tc[303a47.36203 Tm-0.0009 T2dirent and 009 Tf0.5 6(at)-5.1())]T2T

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	60	V
Collector to Emitter Voltage	V_{CEO}	60	V
Emitter to Base Voltage	V_{EBO}	7.0	V
Collector Current - Continuous	I_C	3.0	A
Collector Power Dissipation*	*P_C	2.0	W
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

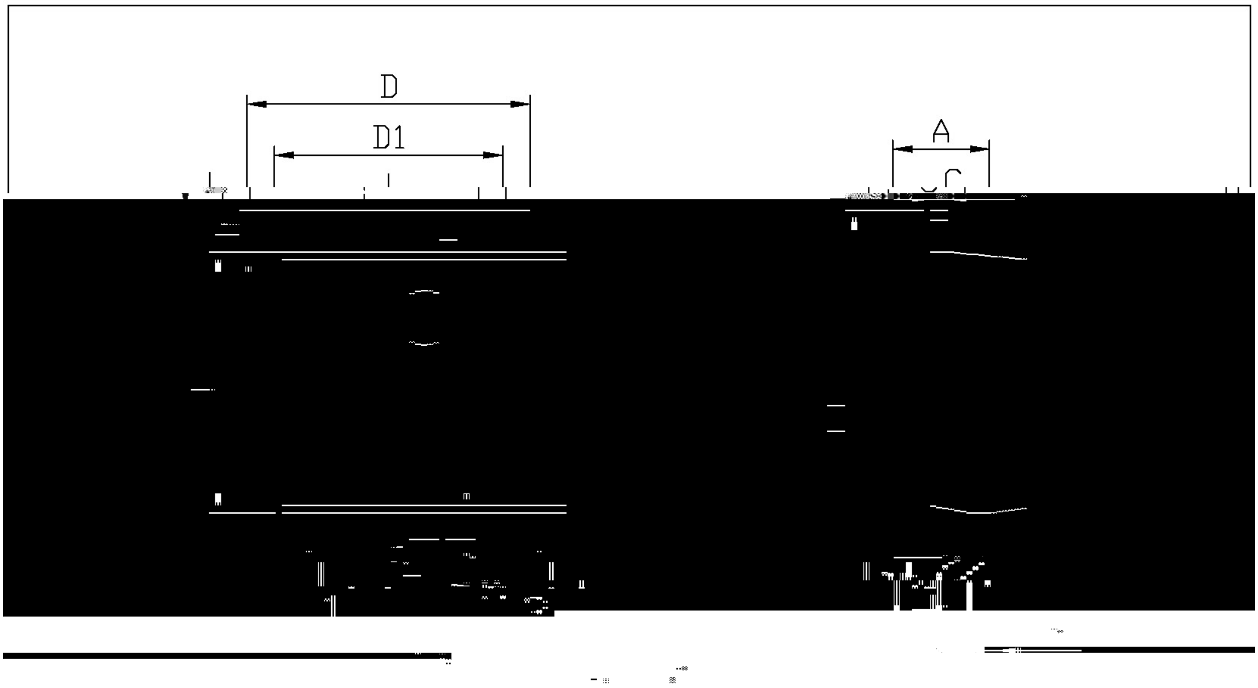
*When mounted on a 7.5×7.5×0.7mm ceramic board

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Base Breakdown Voltage	V_{CBO}	I_C=100 A I_E=0	60			V
Collector to Emitter Breakdown Voltage	V_{CEO}	I_C=1.0mA I_B=0	60			V

/ Electrical Characteristic Curve



/ Package Dimensions

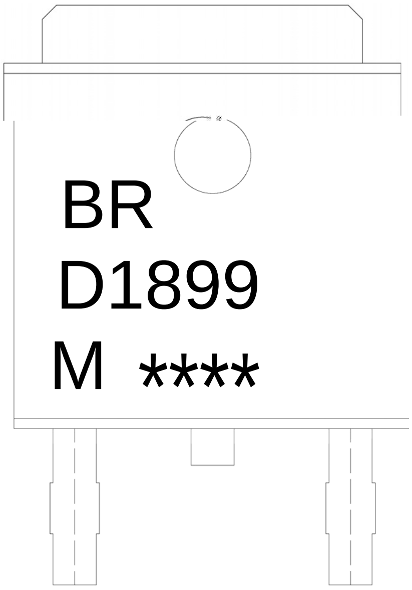


1.775	
0.90	
. 00	0. 10

C	0.45	0.55	L2	
D	6.45	6.75	L3	
D1	5. 10	5. 50	K	

TO-252

/ Marking Instructions



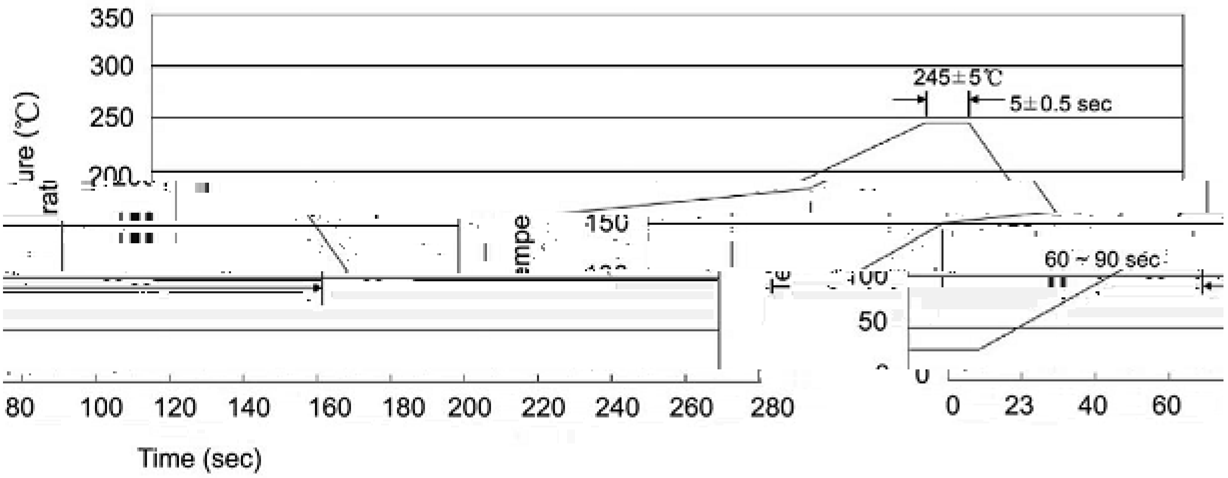
BR

h_{FE}

Note:

BR:	Company Code
D1899:	Product Type.
M:	h_{FE} Classifications Symbol
****:	Lot No. Code, code change with Lot No.

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



1 25 150 60 90sec;
2 245 5 5 0.5sec;
3 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

260 5 10 1 sec.

Temp.:260±5 Time:10±1 sec

/ Packaging SPEC.

/ REEL

Package Type	Units					Dimension	(unit mm^3)	
	Units/Reel /	Reels/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Reel	Inner Box	Outer Box
TO-252	2,500	2	5,000	5	25,000	13 ×16	360×360×50	385×257×392

/ TUBE

Package Type	Units					Dimension	(unit mm^3)	
	Units/Tube /	Tubes/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Tube	Inner Box	Outer Box
TO-251/252	75	48	3,600	5	18,000	526×20.5×5.25	555×164×50	575×290×180