2SD468

Rev.E Mar.-2016

蓝箭电子 BLUE ROCKET ELECTRONICS

DATA SHEET

/ Descriptions

TO-92LM NPN Silicon NPN transistor in a TO-92LM Plastic Package.

/ Features

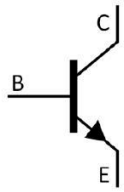
2SB562

Complementary pair with 2SB562.

/ Applications

Low frequency power amplifier.

/ Equivalent Circuit



/ Pinning



PIN1 Base PIN 2 Collector PIN 3 Emitter

/ h_{FE} Classifications & Marking

h_{FE} Classifications Symbol	B	C
h_{FE} Range	85 170	120 240

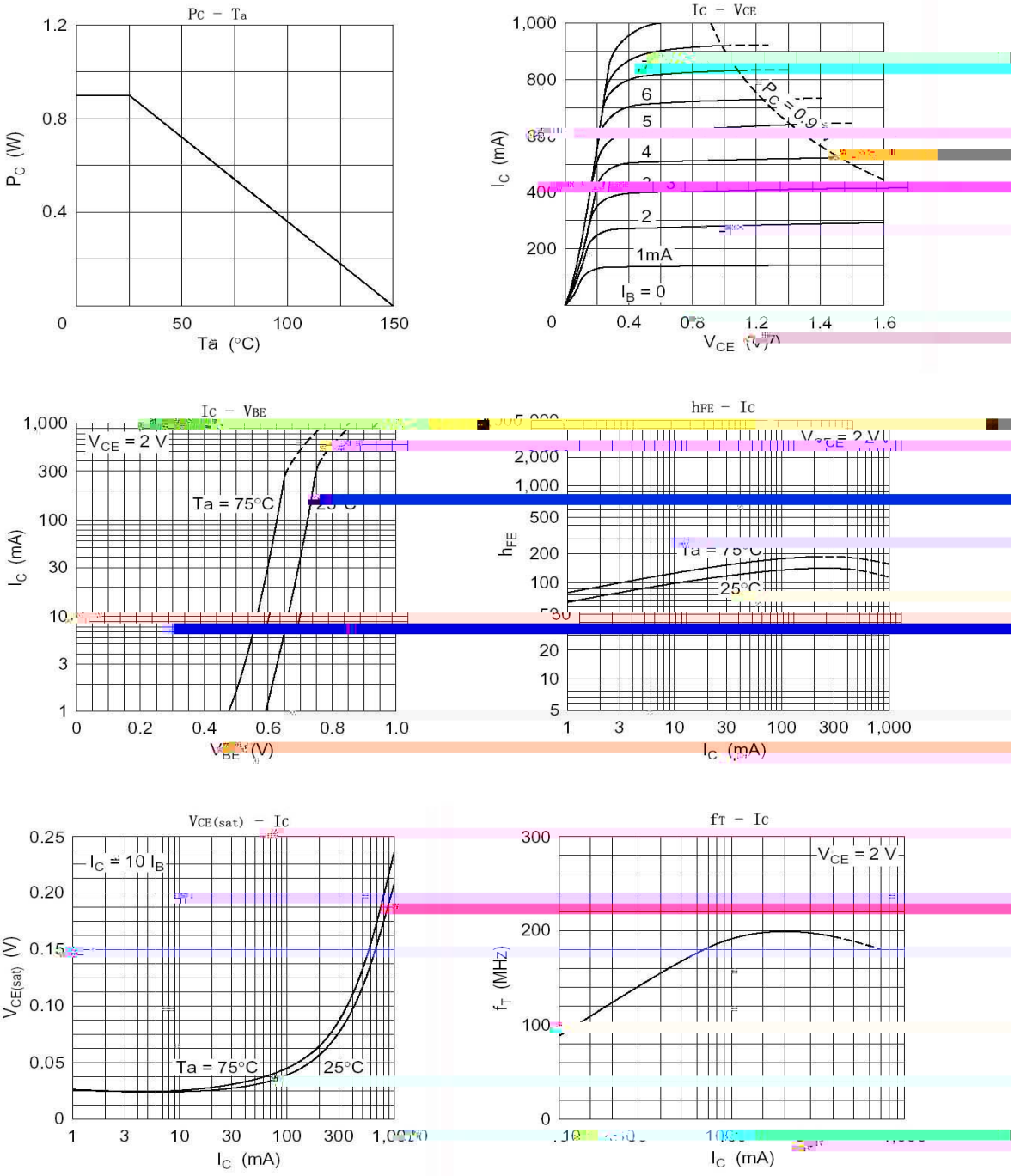
/ Absolute Maximum Ratings(Ta=25)

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	25	V
Collector to Emitter Voltage	V_{CEO}	20	V
Emitter to Base Voltage	V_{EBO}	5.0	V
Collector Current (DC)	I_C	1.0	A
Collector Power Dissipation	P_C	900	mW
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

/ Electrical Characteristics(Ta=25)

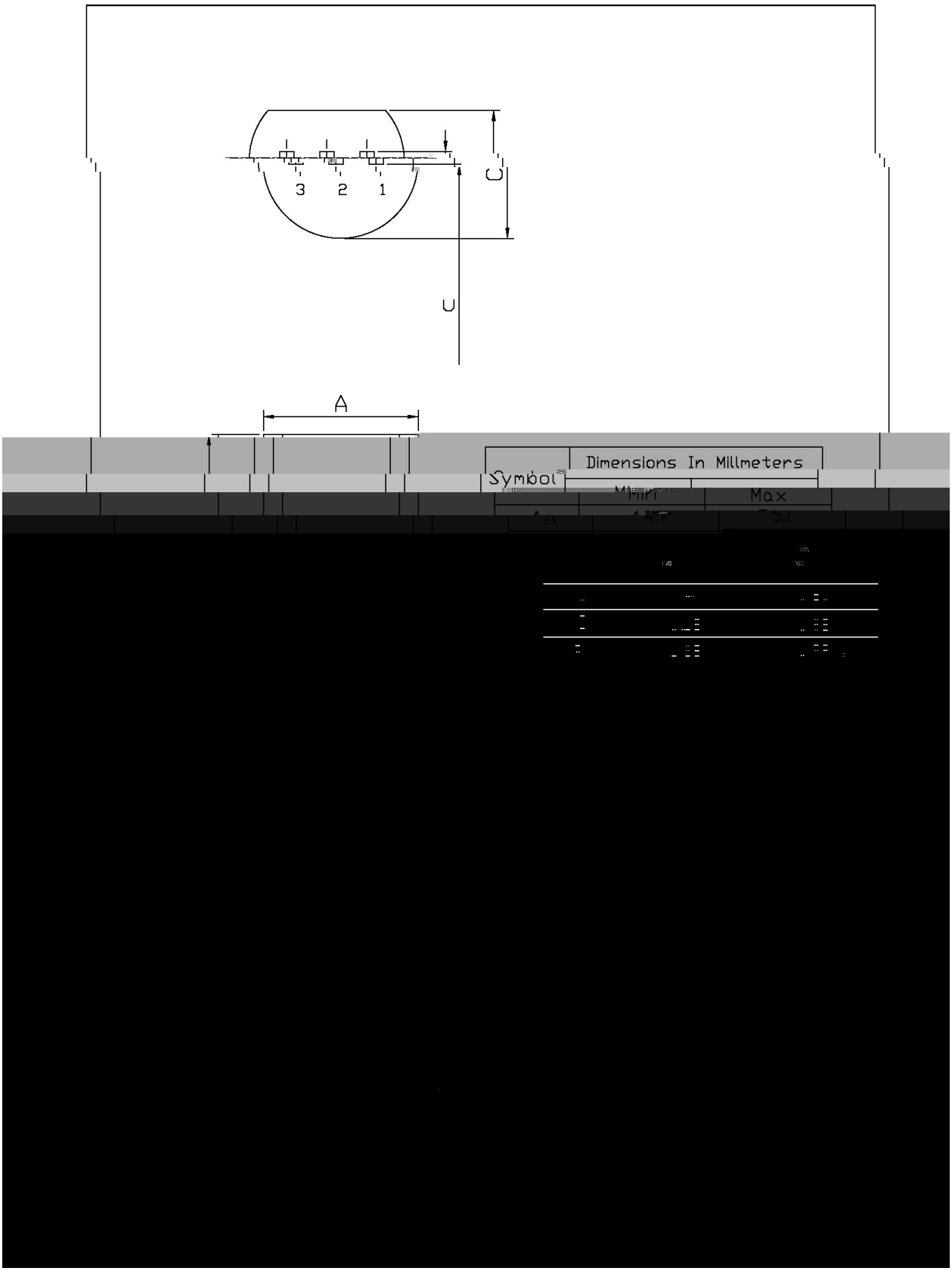
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Base Breakdown Voltage	V_{CBO}	I_C=10μA I_E=0	25			V
Collector to Emitter Breakdown Voltage	V_{CEO}	I_C=1.0mA R_{BE}=∞	20			V
Emitter to Base Breakdown Voltage	V_{EBO}	I_E=10μA I_C=0	5.0			V
Collector Cut-Off Current	I_{CBO}	V_{CB}=20V I_E=0			1.0	μA
DC Current Gain	h_{FE}	V_{CE}=2.0V I_C=0.5A	85		240	
Collector to Emitter Saturation Voltage	$V_{CE(sat)}$	I_C=0.8A I_B=0.08A		0.2	0.5	V
Base to Emitter Voltage	V_{BE}	V_{CE}=2.0V I_C=0.5A		0.79	1.0	V
Transition Frequency	f_T	V_{CE}=2.0V I_C=0.5A		190		MHz
Collector Output Capacitance	C_{ob}	V_{CB}=10V I_E=0 f=1.0MHz		22		pF

/ Electrical Characteristic Curve

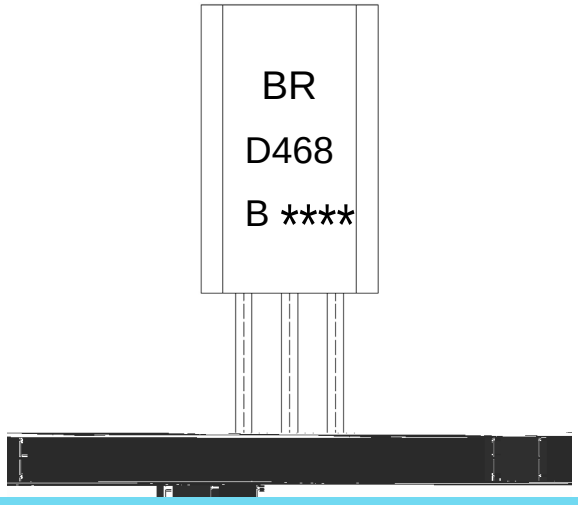


/ Package Dimensions

TO-92LM Unit: mm



/ Marking Instructions



BR:

D468

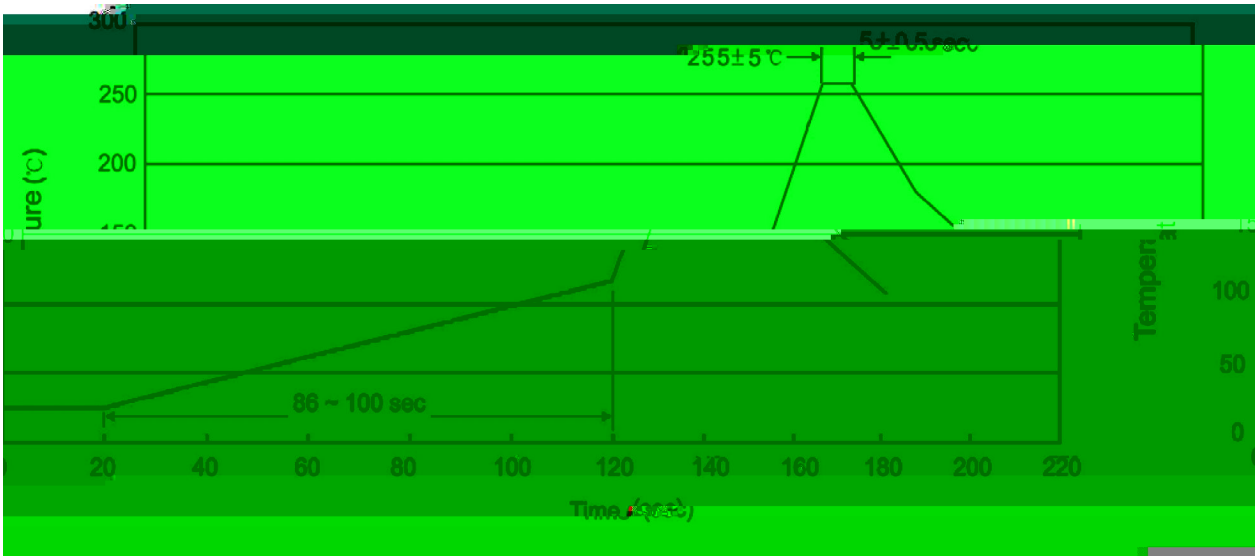
B: h

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Note:

BR:	Company Code.
D468:	Product Type.
B:	h_{FE} Classifications Symbol
****:	Lot No. Code,code change with Lot No.

( ) / Temperature Profile for Dip Soldering(Pb-Free)



					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.

/ Resistance to Soldering Heat Test Conditions

270±5		10±1 sec.		Tf0.56Db2f矛j/TT2	1	Tf2	0	TD-0.0005;