2SA1359

Rev.E Mar.-2016

蓝箭电子 BLUE ROCKET ELECTRONICS

DATA SHEET

/ Descriptions

TO-126F PNP Silicon PNP transistor in a TO-126F Plastic Package.

/ Features

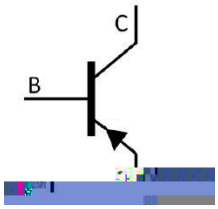
2SC3422

Good linearity of h_{FE} ,complementary to 2SC3422.

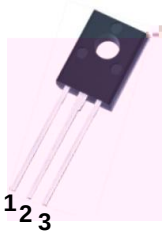
/ Applications

Audio frequency power amplifier and low speed switching applications.

/ Equivalent Circuit



/ Pinning



PIN1 Emitter PIN 2 Collector PIN 3 Base

/ h_{FE} Classifications & Marking

h_{FE} Classifications Symbol	O	Y	GR
h_{FE} Range	80 160	120 240	200 400

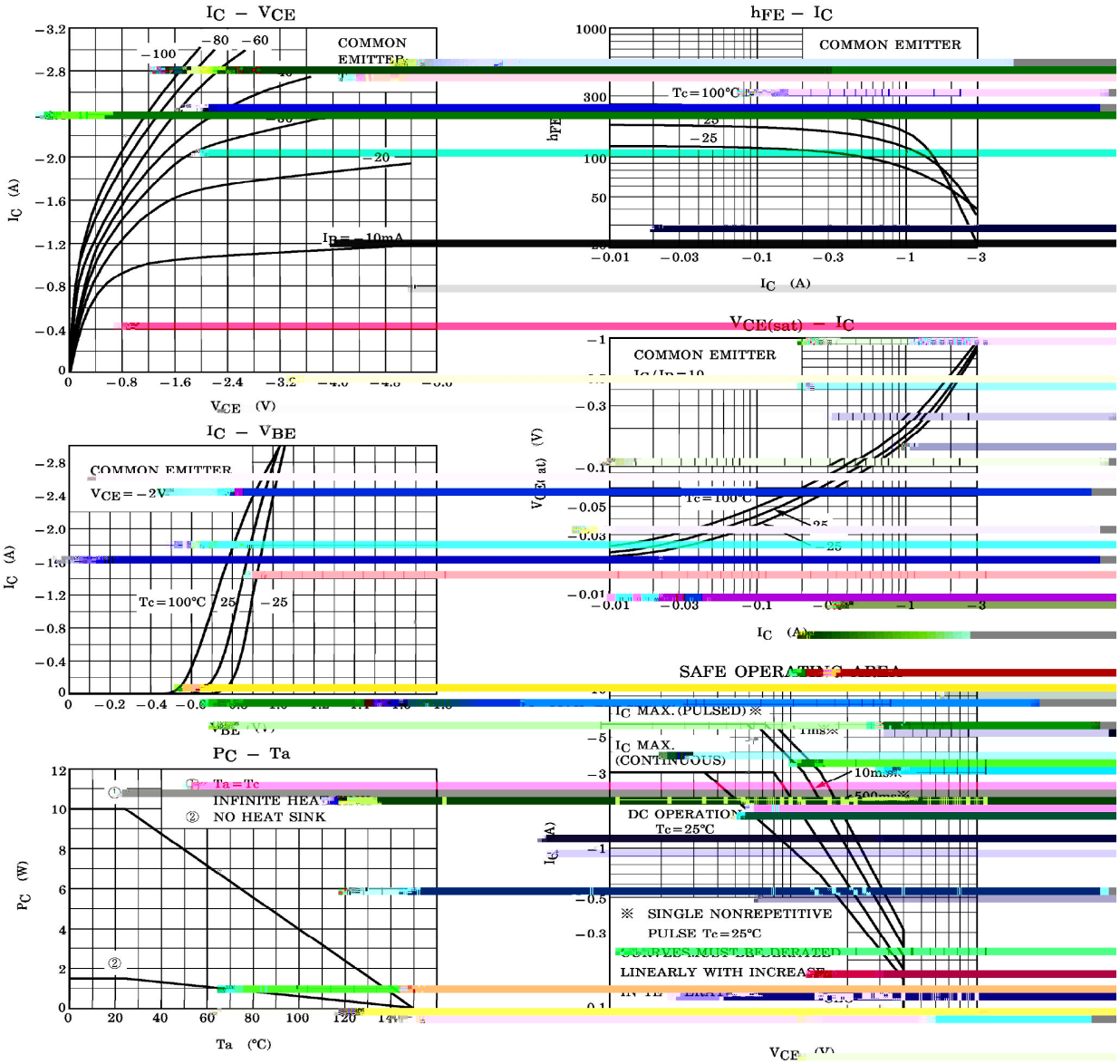
/ Absolute Maximum Ratings(Ta=25)

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	-40	V
Collector to Emitter Voltage	V_{CEO}	-40	V
Emitter to Base Voltage	V_{EBO}	-5.0	V
Collector Current - Continuous	I_C	-3.0	A
Base Current – Continuous	I_B	-1.0	A
Collector Power Dissipation	P_C	1.5	W
Collector Power Dissipation	P (T =25)	10	W
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

/ Electrical Characteristics(Ta=25)

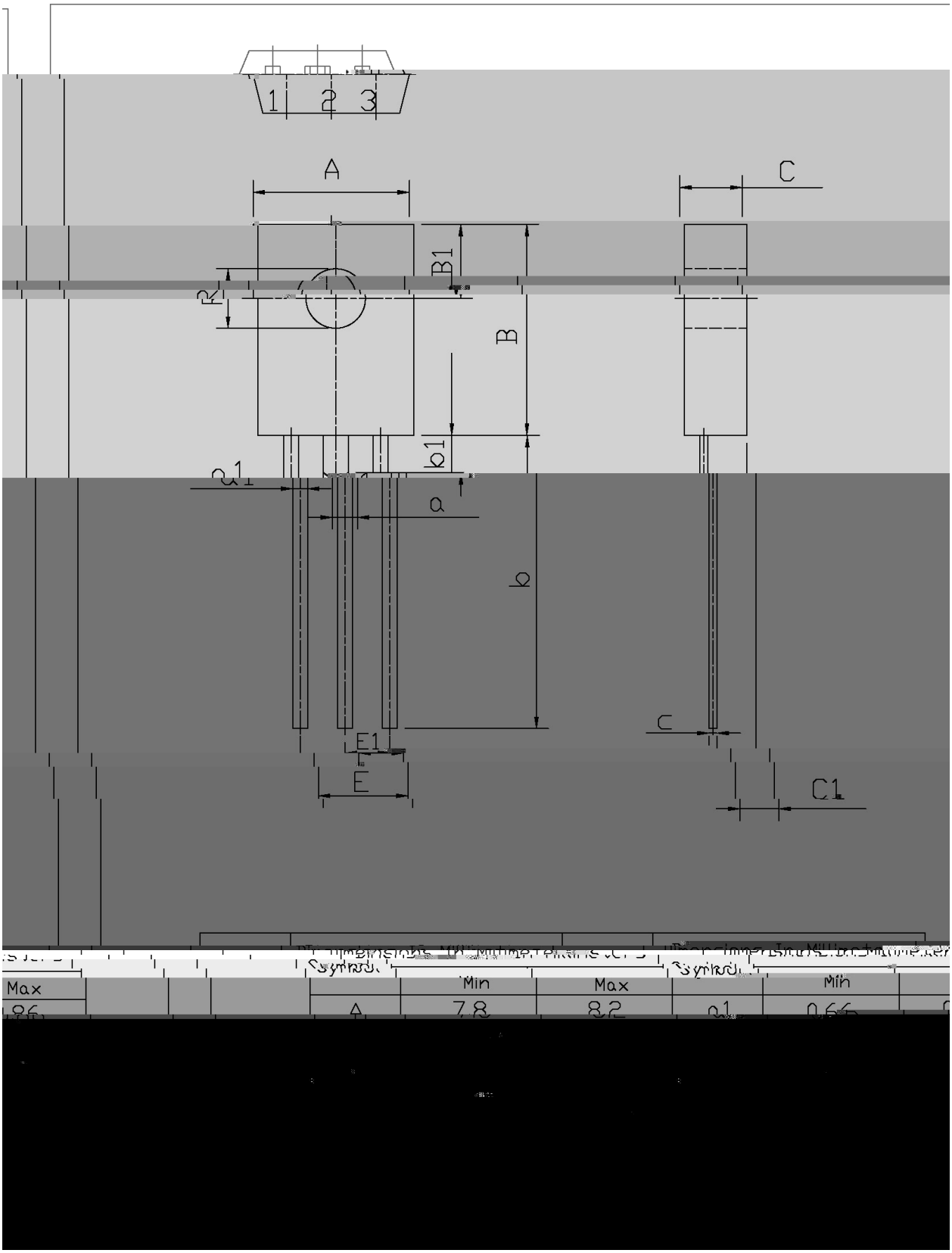
Parameter	Symbol	Test Conditions		Min	Typ	Max	Unit
Collector Cut-Off Current	I_{CBO}	V_{CB} $_E$=0				μA	
Emitter Cut-Off Current	I_{EBO}	V_{EB} $_C$=0			-0.1	μA	
Collector to Emitter Breakdown	$_{CEO}$	I_C=-10mA I_B=0	-40				
DC Current Gain	$_{FE(1)}$	V_{CE} $_C$=-0.5A	80		400		
	$h_{FE(2)}$	V_{CE} $_C$=-2.5A	25				
Voltage	$V_{CE(sat)}$	I_C=-2.0A I_B=-0.2A			-0.8	V	
Base to Emitter Voltage	V_{BE}	V_{CE} $_C$=-0.5A			-1.0	V	
Transition Frequency	f_T	V_{CE} $_C$=-0.5A		100		MHz	
Collector Output Capacitance	C_{ob}	V_{CB} $_E$=0 f=1.0MHz		35		pF	

/ Electrical Characteristic Curve



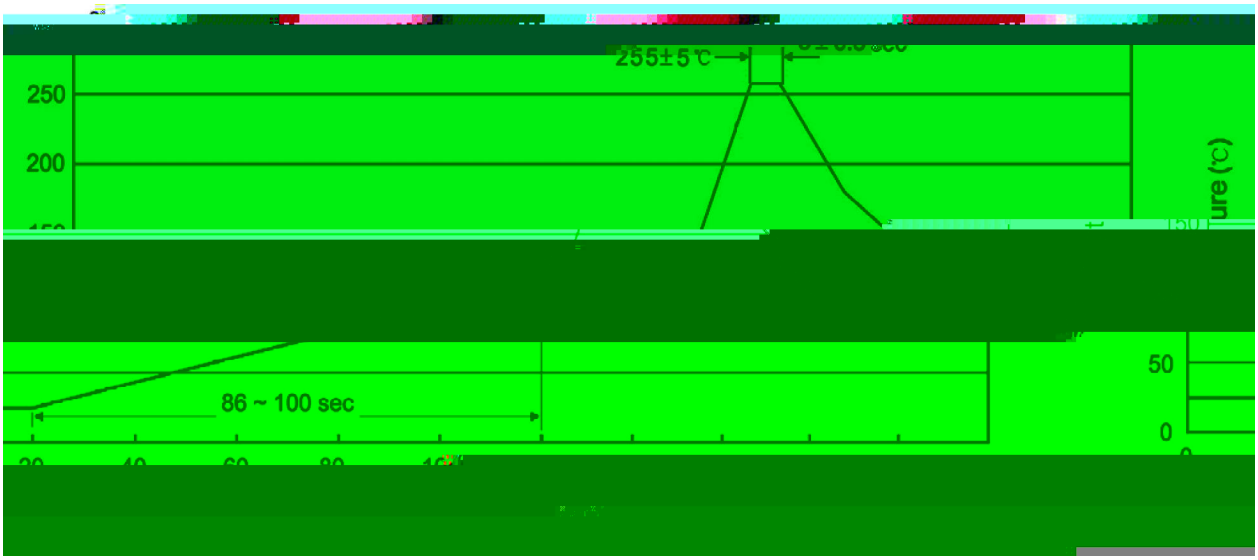
/ Package Dimensions

TO-126T 单位：mm



Symbol	Min	Max	Symbol	Min	Max
A	7.8	8.2	a1	0.66	

( ) / 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.

255±5

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