2SA1478

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

, 2SC3788

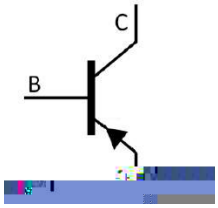
High breakdown voltage, small reverse transfer capacitance and excellent high frequency characteristic, complementary pair with 2SC3788.

/ Applications

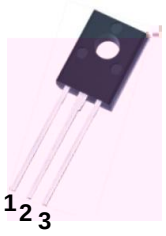
CRT

High-definition CRT display video output applications.

/ Equivalent Circuit



/ Pinning



PIN1 Emitter PIN 2 Collector PIN 3 Base

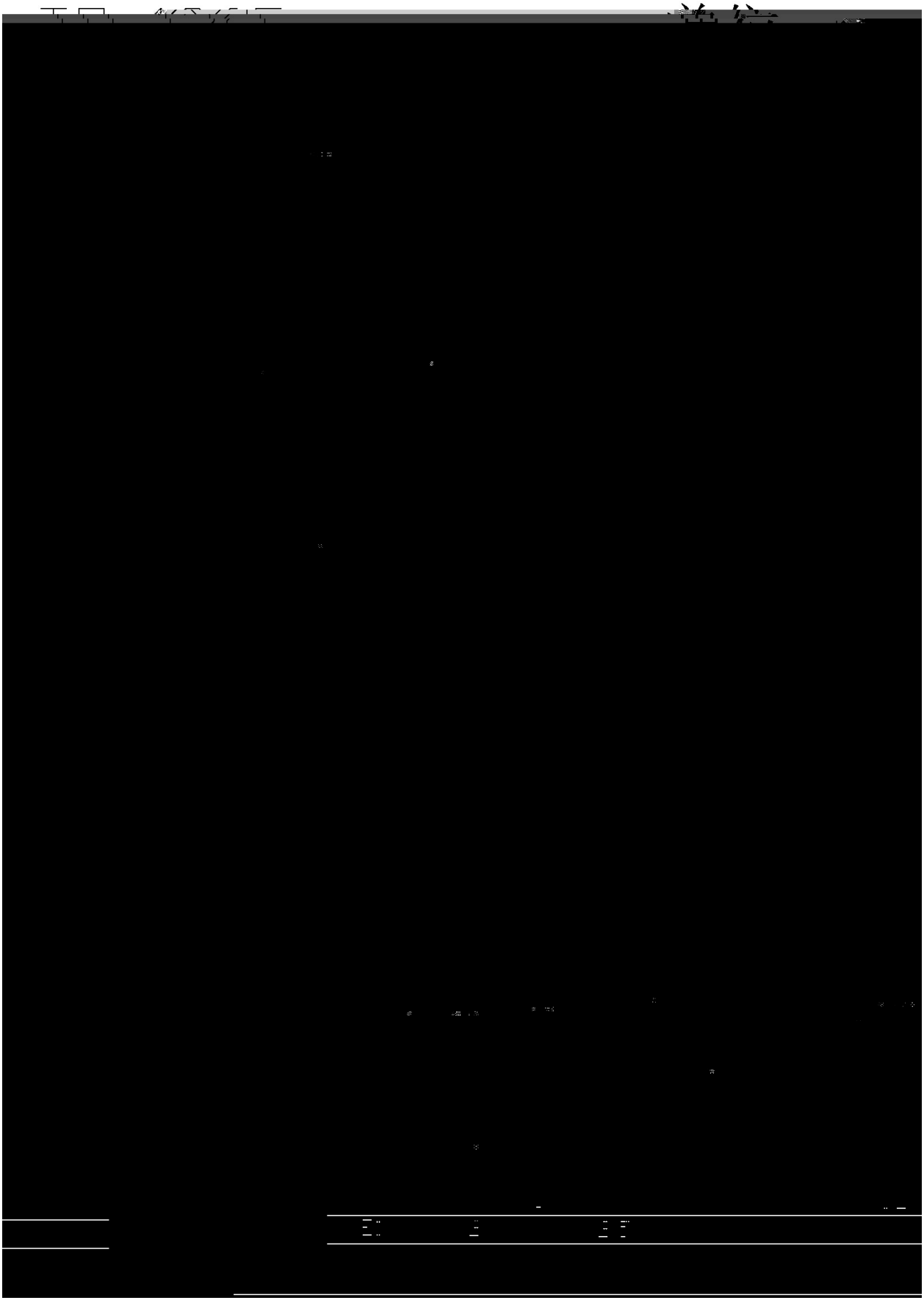
/ h_{FE} Classifications & Marking

h_{FE} Classifications Symbol	C	D	E	F
h_{FE} Range	40 80	60 120	100 200	160 320

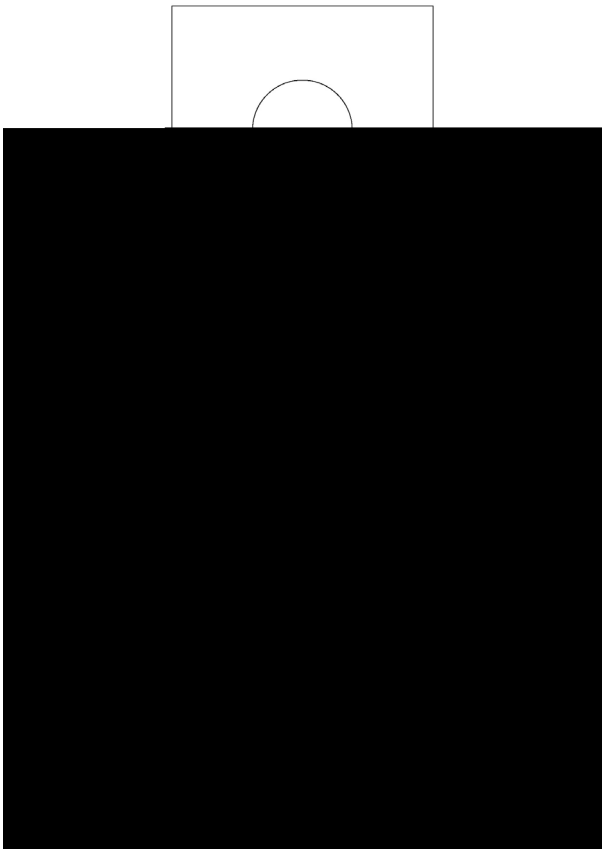
Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	-200	V
Collector to Emitter Voltage	V_{CEO}	-200	V
Emitter to Base Voltage	V_{EBO}	-5.0	V
Collector Current - Continuous	I_C	-100	mA
Collector Current – Continuous(Pulse)	I_{CP}	-200	mA
Collector Power Dissipation	P_C	1.3	W
Collector Power Dissipation	$P_C(T_C=25$)	5.0	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=-10μA I_E=0	-200			V
Collector to Emitter Breakdown Voltage	V_{CEO}	I_C=-1.0mA I_B=0	-200			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}=-150V I_E=0			-0.1	μA
Emitter Cut-Off Current	I_{EBO}	V_{EB}=-4.0V I_C=0			-0.1	μA
DC Current Gain	h_{FE}	V_{CE}=-10V I_C=-10mA	40		320	
Collector to Emitter Saturation Voltage	V					

/ Package Dimensions



/ Marking Instructions



BR

A1478

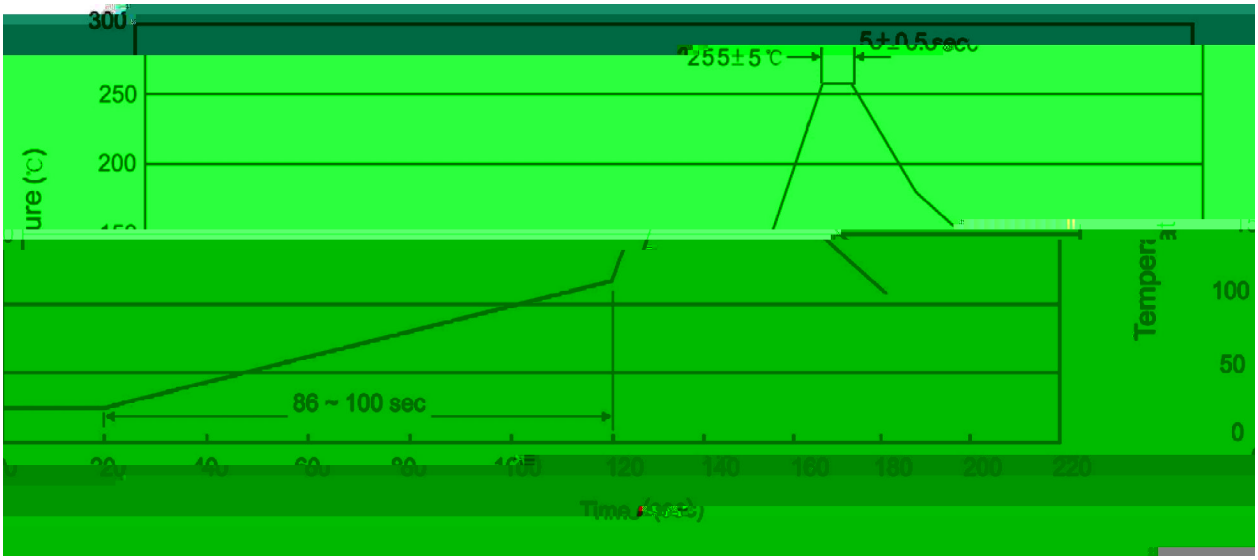
C: h_{FE}

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Note:

BR:	Company Code
A1478:	Product Type.
C:	h_{FE} Classifications Symbol
****:	Lot No. Code, code chango2uoth 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.	Temp.:270±5	Time:10±1 sec

/ Packaging SPEC.

/ BULK

Package Type	Units					Dimension		(unit mm³)
	Units/Tube /	Tubes/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Tube	Inner Box	Outer Box
TO-126/F	500	6	3,000	5	15,000	135×190	237×172×102	560×245×195

/ TUBE

Package Type	Units					Dimension		(unit mm³)
	Units/Tube /	Tubes/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Tube	Inner Box	Outer Box
TO-126/F	65	26	1,690	5	8,450	532×31×5.6	555×164×50	575×290×180

/ Notices