2SC1573(A)

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

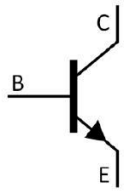
,f_T , 2SA879(A)

High V_{CEO}, high f_T; Complementary pair with 2SA879(A).

/ Applications

General amplifier and video frequency output in small screen TV.

/ Equivalent Circuit



/ Pinning

PIN1 Base PIN 2 Collector PIN 3 Emitter

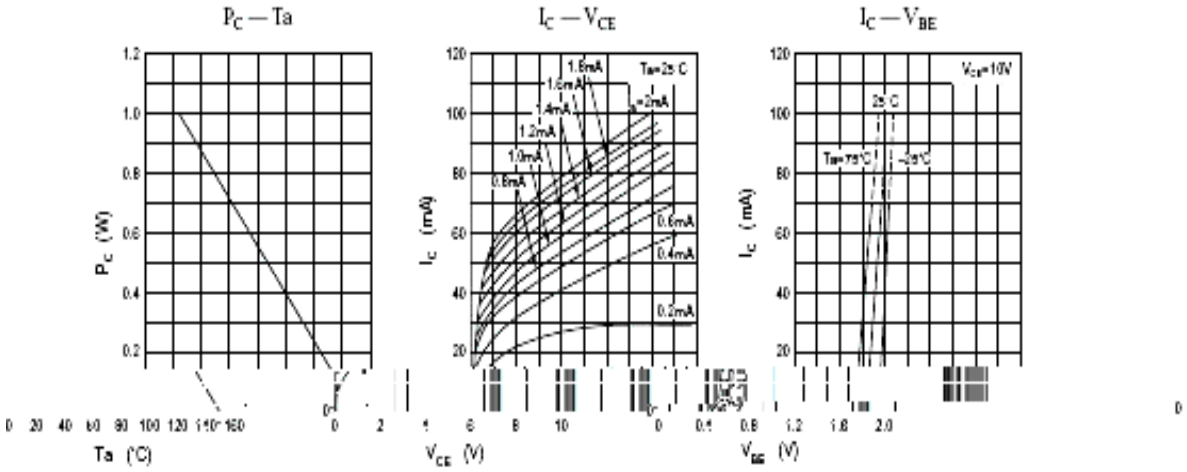
/ h_{FE} Classifications & Marking

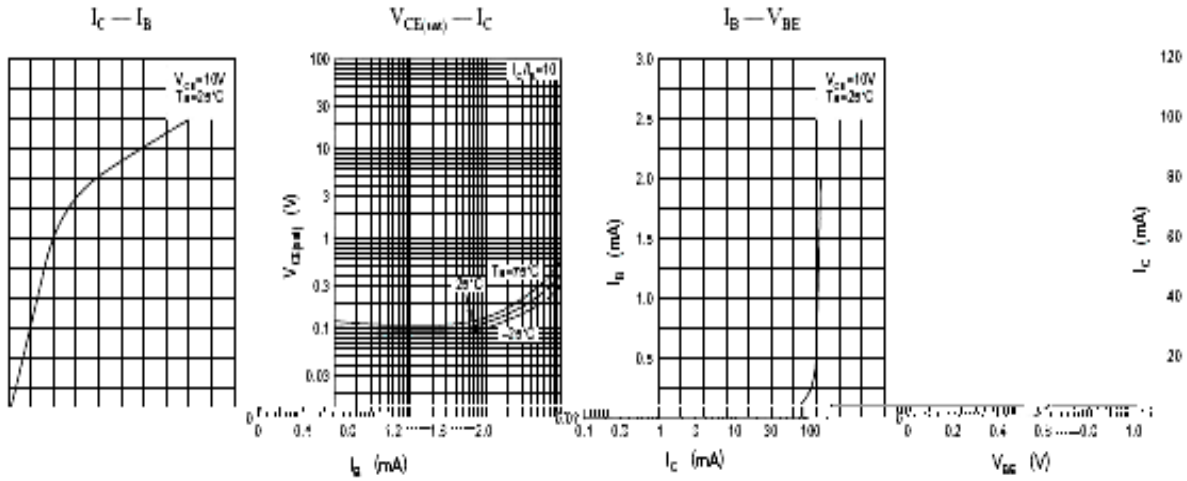
h_{FE} Classifications Symbol	P	Q	R
h_{FE} Range	30~100	60~150	100~220

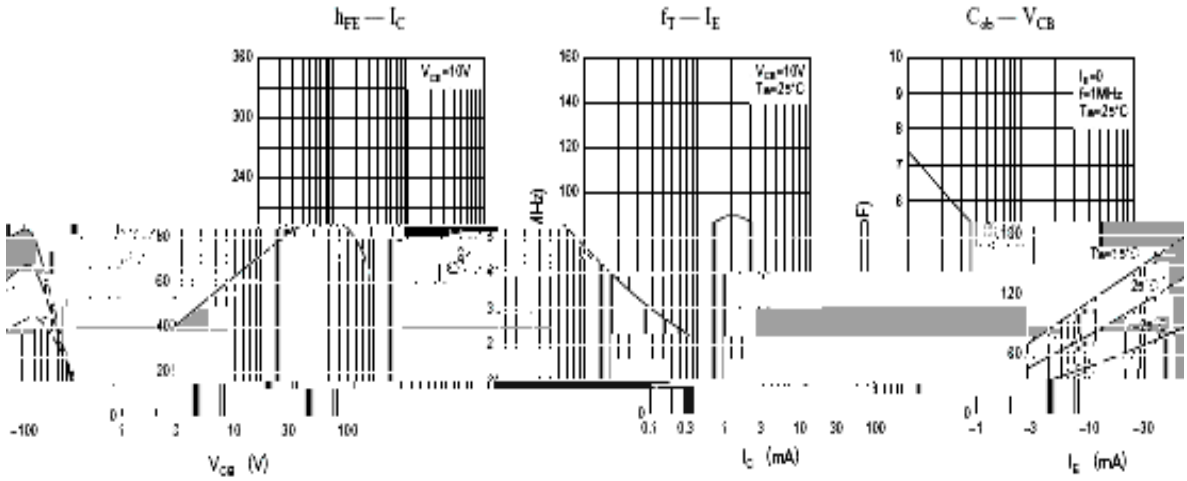
Parameter	Symbol		Rating	Unit
Collector to Base Voltage	V_{CBO}	2SC1573	250	V
		2SC1573A	300	
Collector to Emitter Voltage	V_{CEO}	2SC1573	250	V
		2SC1573A	300	
Emitter to Base Voltage	V_{EBO}		7.0	V
Collector Current - Continuous	I_C		70	mA
Collector Current – Continuous(Pulse)	I_{CP}		100	mA
Collector Power Dissipation	P_C		1.0	W
Junction Temperature	T_j		150	
Storage Temperature Range	T_{stg}		-55 150	

Parameter	Symbol		Test Conditions	Min	Typ	Max	Unit
Collector to Emitter Breakdown Voltage	V_{CEO}	2SC1573	I_C=100μA I_B=0	250			V
		2SC1573A		300			
Emitter to Base Breakdown Voltage	V_{EBO}		I_E=1.0μA I_C=0	7.0			V
Collector Cut-Off Current	I_{CBO}		V_{CB}=120V I_E=0			2.0	μA
DC Current Gain	h_{FE}		V_{CE}=10V I_C				

/ Electrical Characteristic Curve

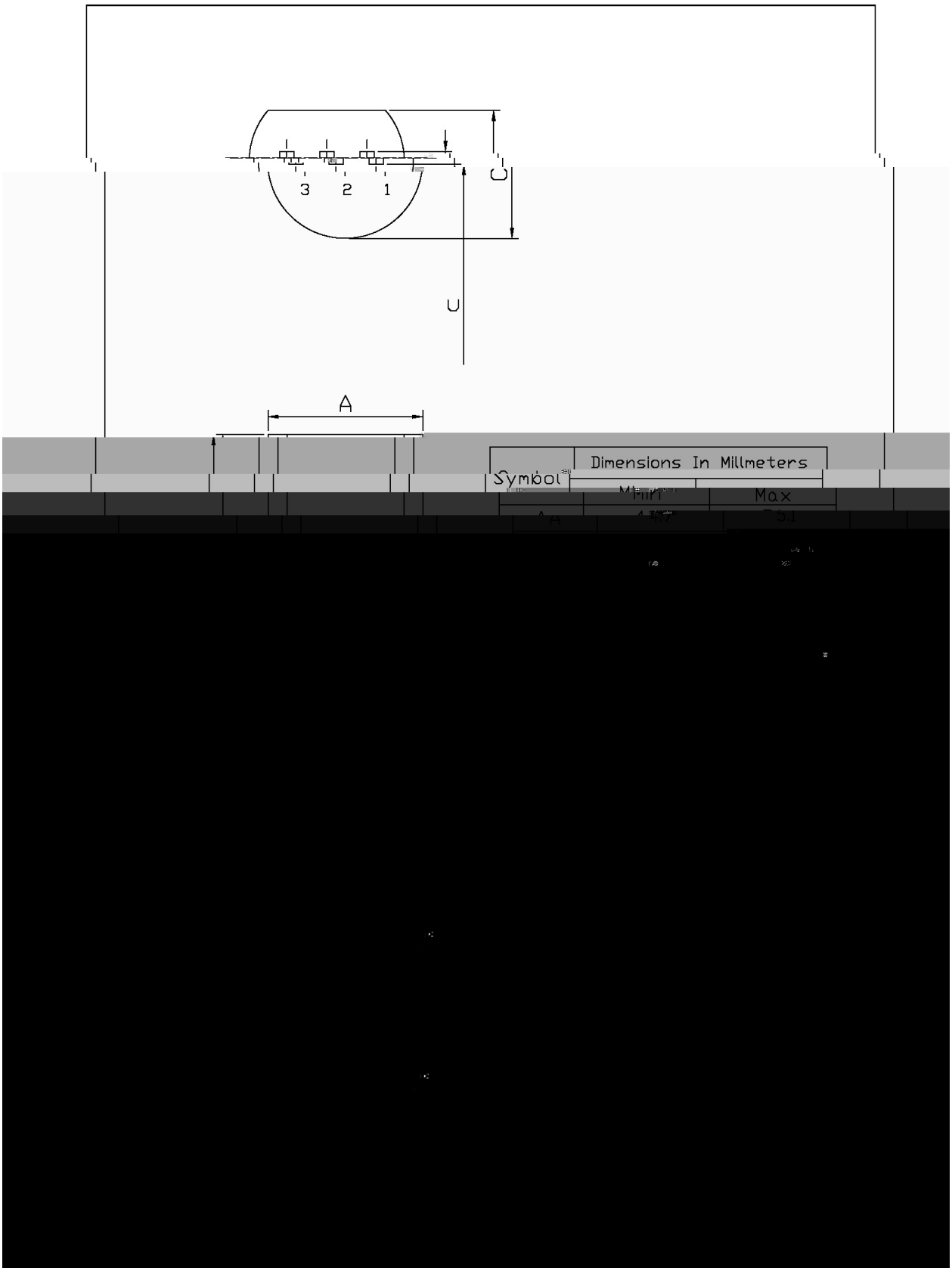




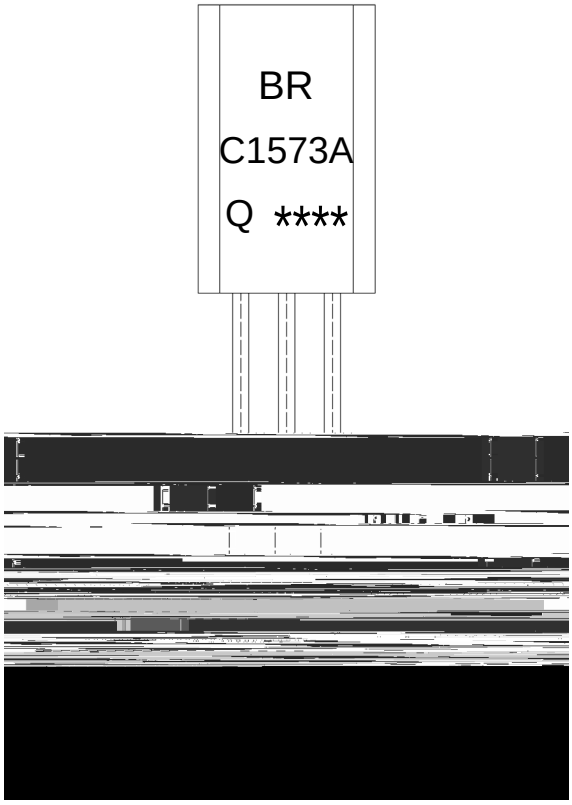


/ Package Dimensions

TO-92LM Unit: mm



/ Marking Instructions



BR:

C1573A

Q: h_{FE}

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Note:

BR:	Company Code.
C1573A:	Product Type.
Q:	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.	Temp.:270±5	Time:10±1 sec

/ Packaging SPEC.

/ BULK

Package Type	Units					Dimension (unit mm3)	
	Units/Bag /	Bags/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Bag	Inner Box