

2SC1573(A)

Rev.E Mar.-2016

/ Descriptions

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

/ Features

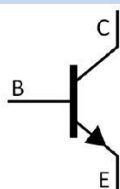
f_T , 2SA879(A)

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

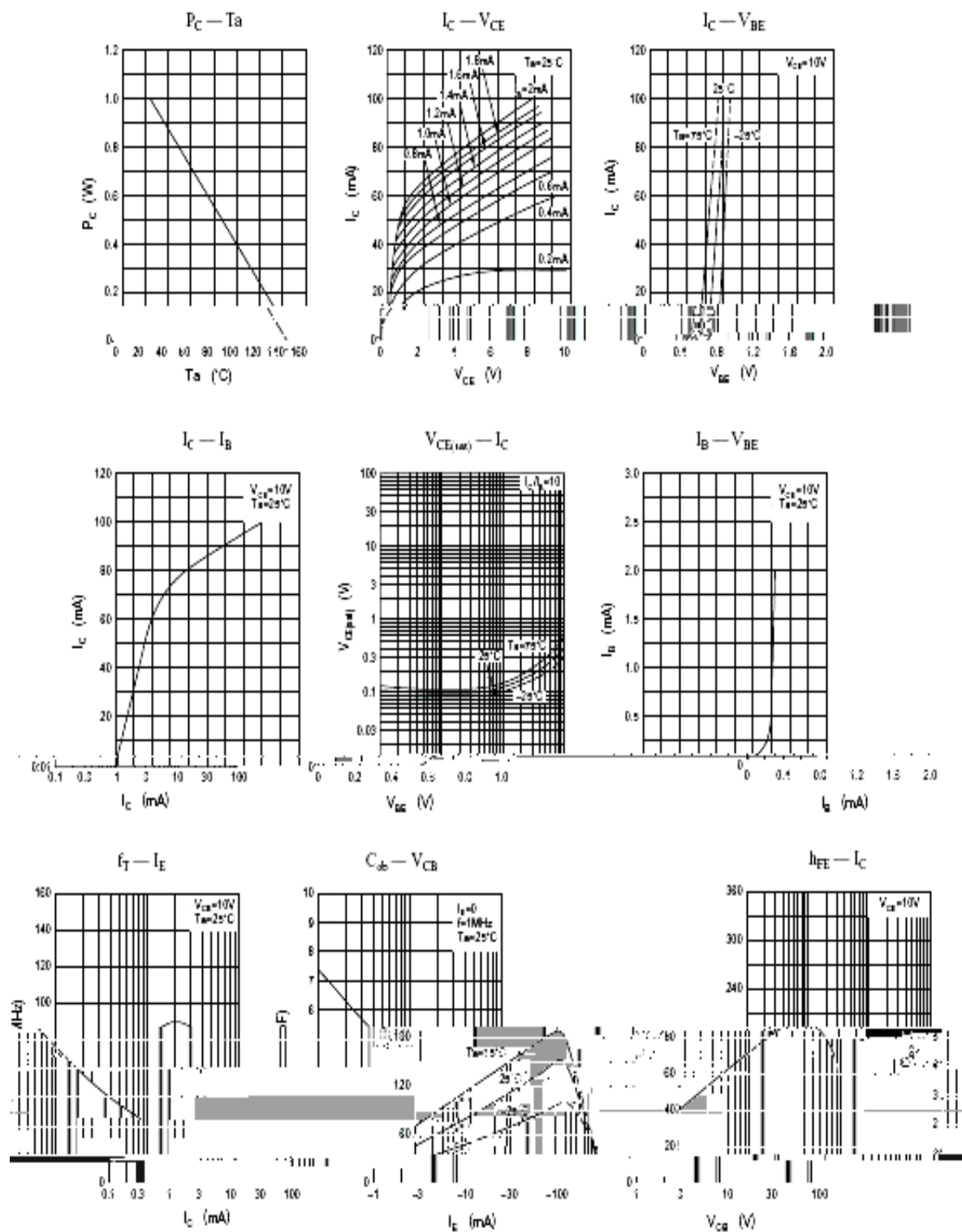
/ h_{FE} Classifications & Marking

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	$I_C=100\mu A \quad I_B=0$	250			V
		2SC1573A		300			
Emitter to Base Breakdown Voltage	V_{EBO}		$I_E=1.0\mu A \quad I_C=0$	7.0			V
Collector Cut-Off Current	I_{CBO}		$V_{CB}=120V \quad I_E=0$			2.0	μA
DC Current Gain	h_{FE}		$V_{CE}=10V \quad I_C$				

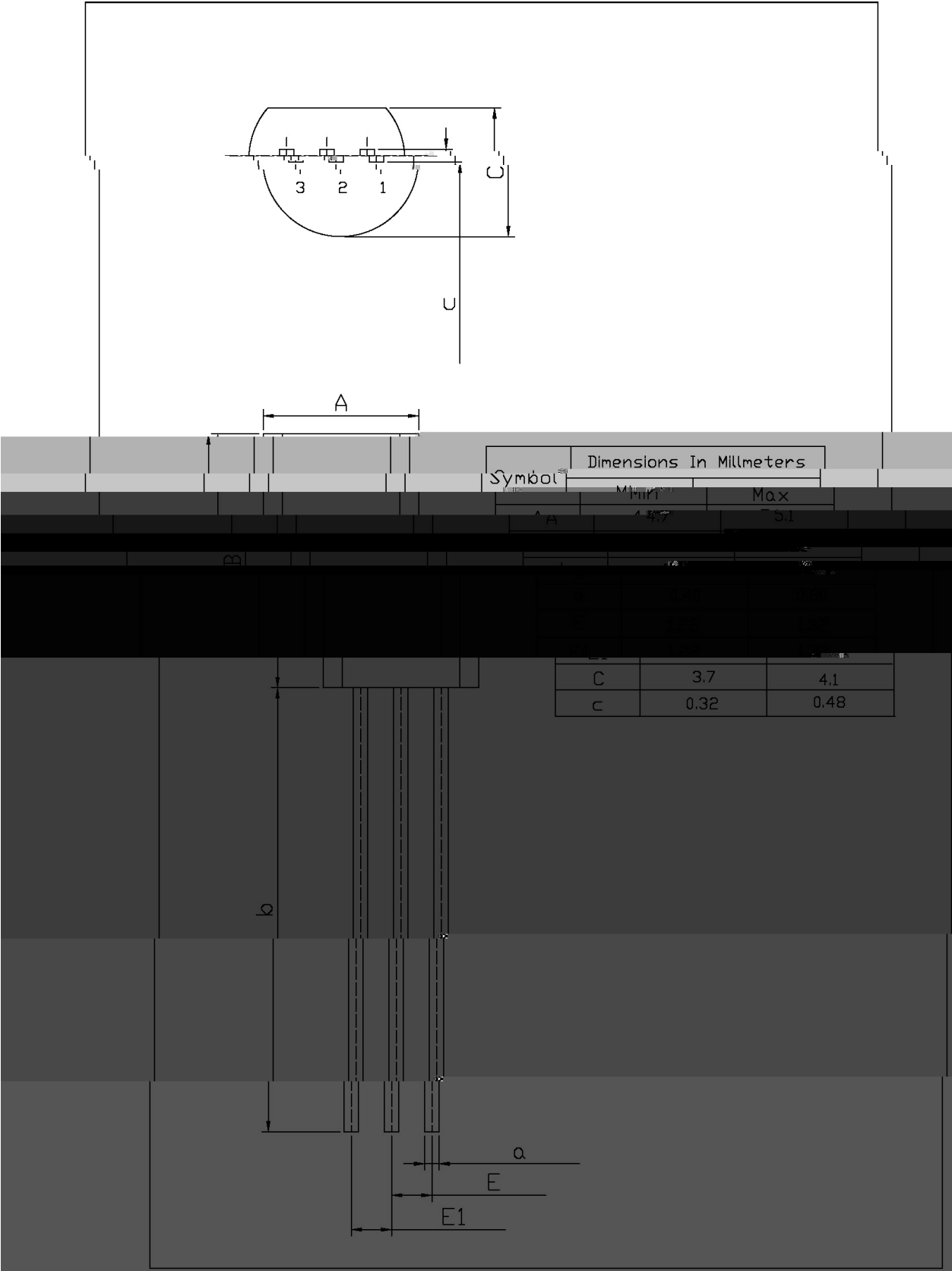
/ Electrical Characteristic Curve



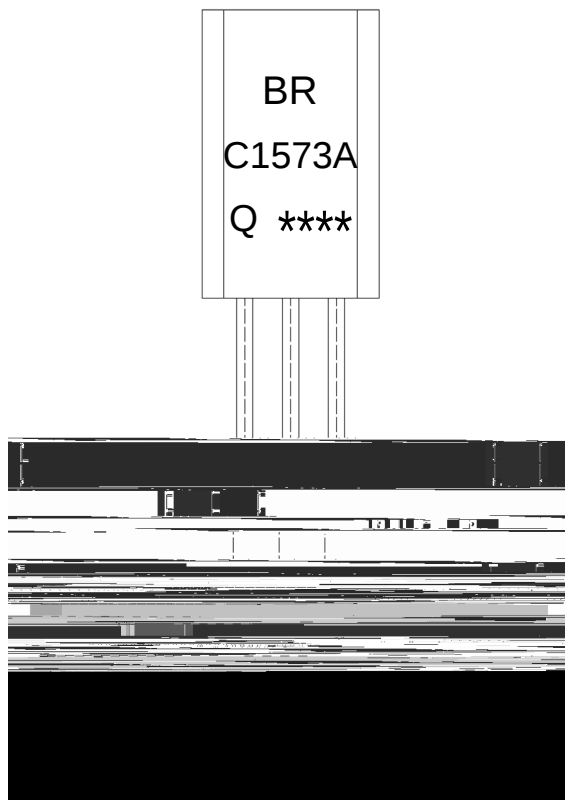
/ Package Dimensions

TO-92LM

Unit: mm



/ Marking Instructions



BR:

C1573A

Q: h_{FE}

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;
- 2

255±5

5±0.5sec;
- 3

2 10

/sec.
- 1.Preheating:25~150

, Time:60~90sec.
- 2.Peak Temp.:255±5

, Duration:5±0.5sec.
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)	
re12412u	y2489932	Units/Bag	Bags/Inner Box	Units/Inner Box	Inner Boxes/Outer Box	Units/Outer Box	re500412u	y249932	Inner Box 800026
126		/ 800026	/ re590	/ 64797854	± 048001	126	re500412u	y249932	Outer re28 / 3160797854