

5 é / Descriptions

9 5 : .> // x J´ 6 4 6 f â'ož Silicon PNP Digital transistor in a SOT-323 Plastic Package.

□ª / Features

Ä x ž å Š k • ç è — < k × 5 « ^ y ò - v i k —)í D }ož

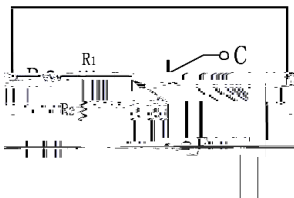
With built-in bias resistors, simplify circuit design, reduce a quantity of parts and manufacturing process,HF Product.

Đ ÷ / Applications

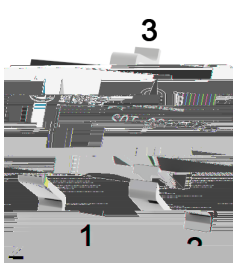
9 •¼40• F , è0• µ è Y C Ü è ož

Switching, inverter circuit, interface circuit and driver circuit applications.

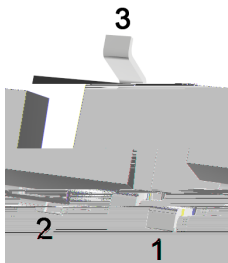
Ã W]Ô· / Equivalent Circuit



•Ô - æ / Pinning



PIN 1 y Base



PIN 2 y Emitter

PIN 3 y Collector

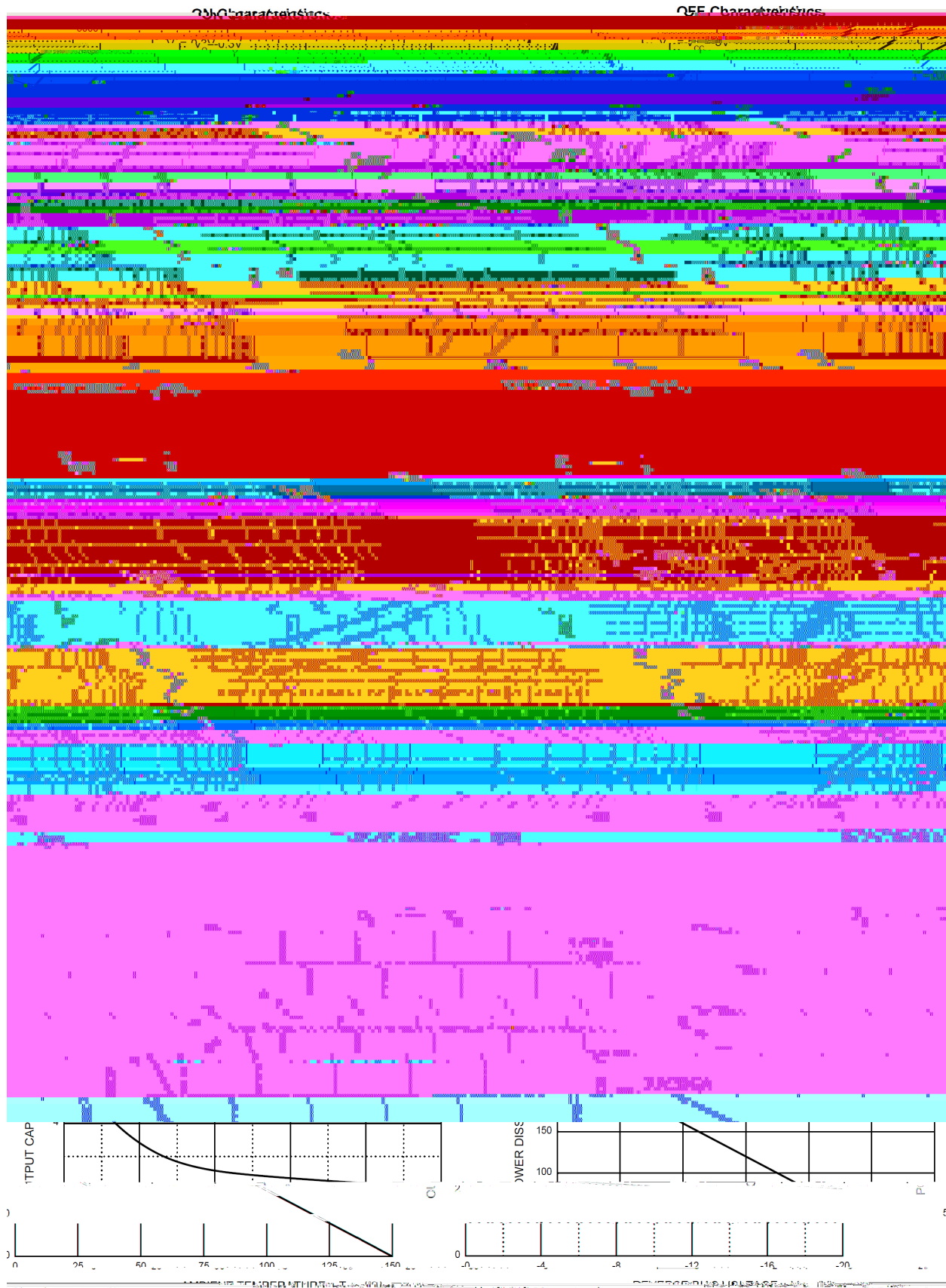
Z Ü B , M V / hFE Classifications & Marking

Marking	HE11
---------	------

@ f Parameter	... Z Symbol	f > Rating	% y Unit
Supply Voltage	V _{CC}	-50	V
Input Voltage	V _{IN}	-10	V
		5	V
Output Current	I _O	-100	mA
Power Dissipation	P _D	200	mW
Operation Junction and Storage Temperature Range	T _J , T _{stg}	-55 150	

@ f Parameter	... Z Symbol	y i Ú ^ Test Conditions	Â 4 > Min	Á ° > Typ	Â Ý > Max	% y Unit
Input Voltage	V _{I(off)}	V _{CC} =-5.0V I				

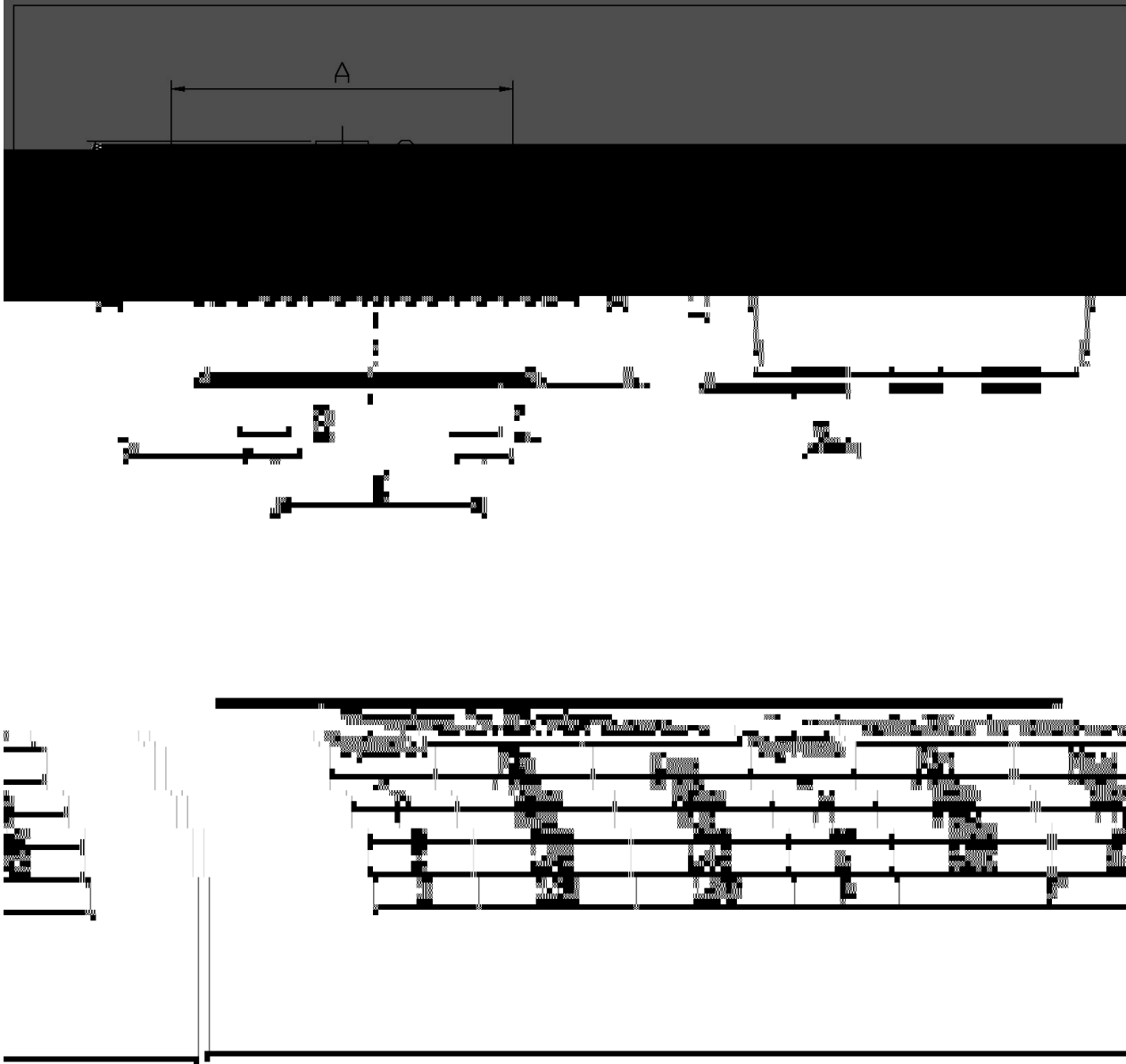
Electrical Characteristic Curve



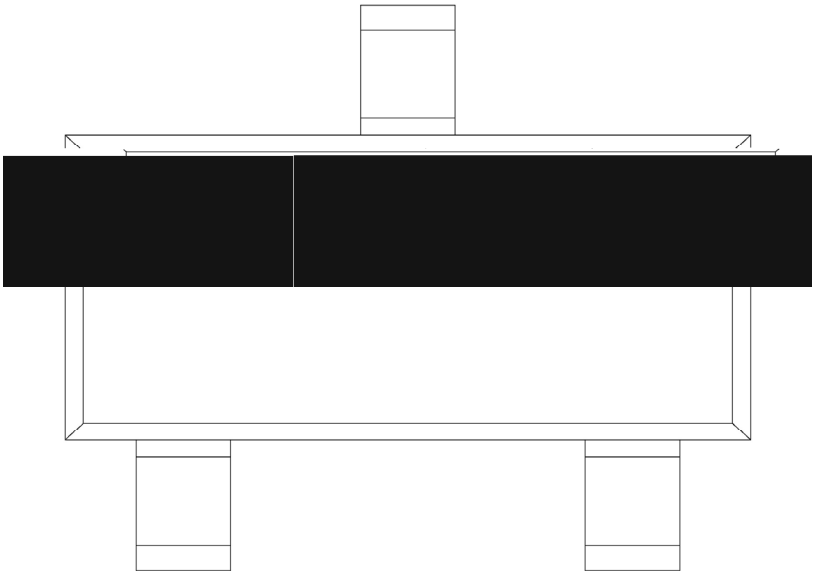
Ø □ =) ⌀ / Package Dimensions

SOT-323

单位: mm



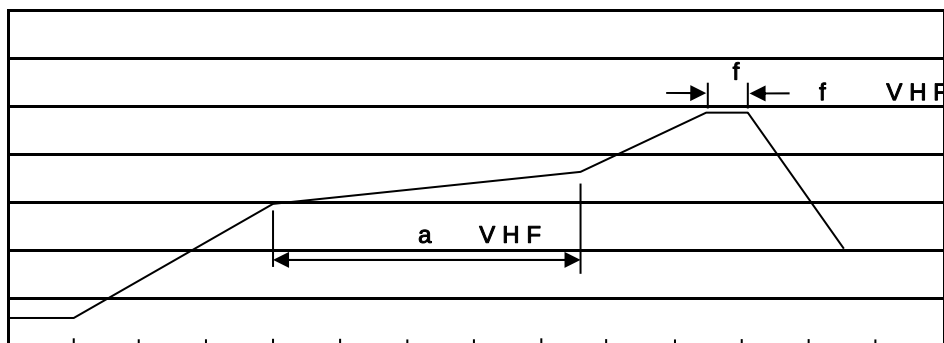
, M y f / Marking Instructions



^a ϕ y
. y , [W A
E11 y ° Z W A
Note:
. y

šWD t...•Žč (x/) / :KSVKXGZ[XK 6XULORK LUX /8 8KLRU] 9URJKXOTM 6

7HPSHUDWXXUH



7LPH VHF

a č y

10• Ä ½ “† 150 ½180 - k ž • 60 ½90sec;

20• Q > “† 245 r5 - k ž • 4 Ò 5 r0.5sec;

30•D N ò i Ò 0 ,† 2 ½10 - /sec.

Note:

1.Preheating:150~180 - , Time:60~90sec.

2.Peak Temp.:245 r5 - , Duration:5 r0.5sec.

3. Cooling Speed: 2~10 - /sec.

ÂD /Cã p ¯ »] / Resistance to Soldering Heat Test Conditions

“† y 260 r5 -

ž • y 10 r1 sec.

Temp:260±5

Time:10±1 sec

G P á / Packaging SPEC.

2 & x / REEL

Package Type 7>û ~ E	Units ;>û !H					Dimension ;>û p . (unit /mm³)		
	Units/Reel /-	Reels/Inner Box -- /-	Units/Inner Box /-	Inner Boxes/Outer Box - /1ç	Units/Outer Box /1ç	Reel	Inner Box	Outer Box
SOT-323	3,000	10	30,000	6	180,000	s ×8	180×120×180	390×385×205

„Đ y f / Notices