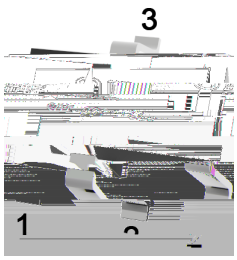
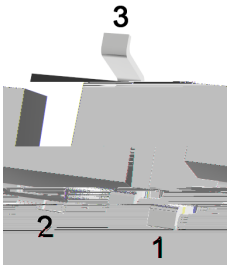
SOT-323 PNP Silicon PNP Digital transistor in a SOT-323 Plastic Package.

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

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

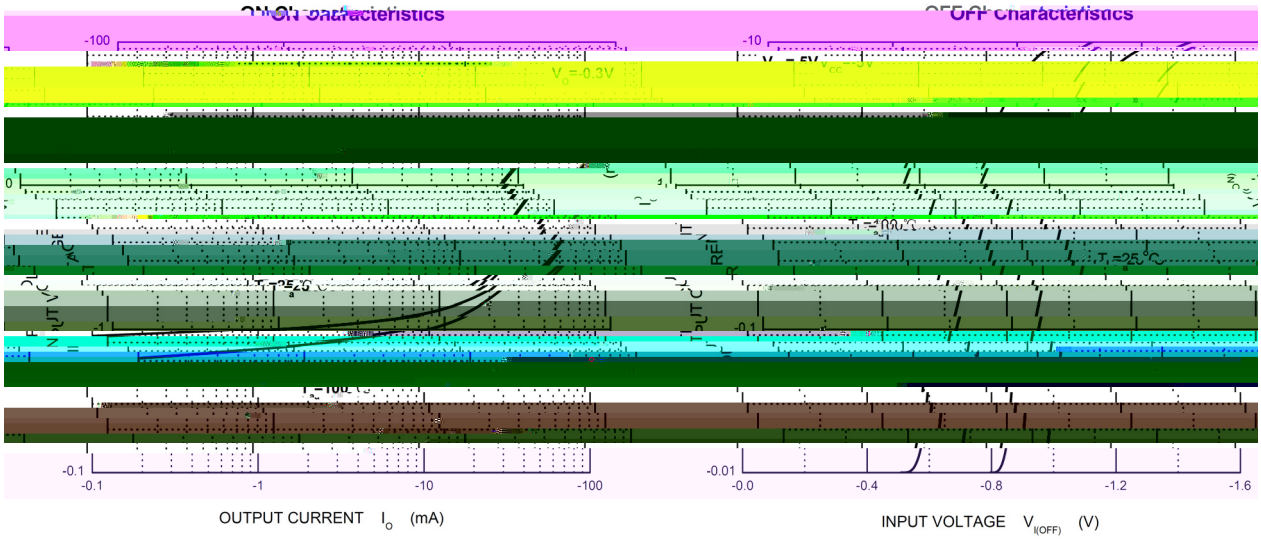


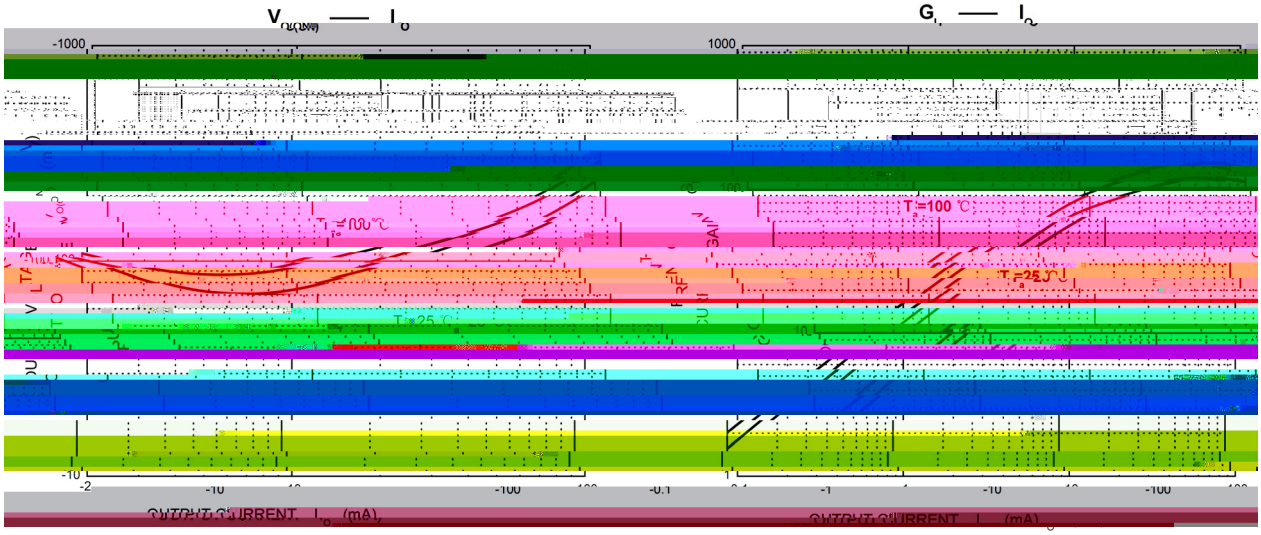


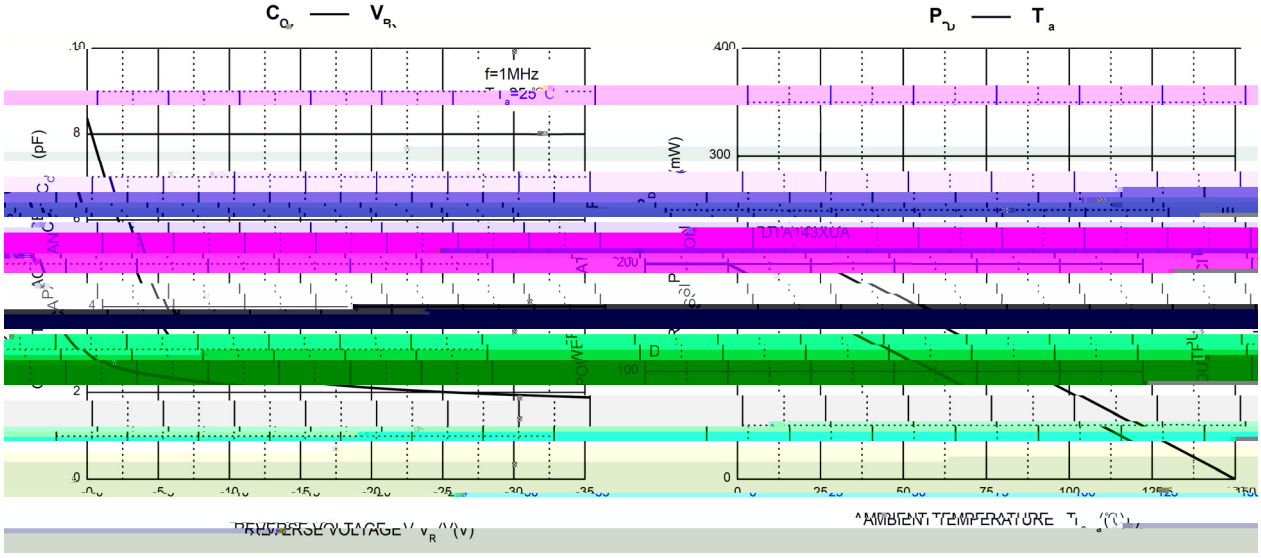
PIN 1 Base PIN 2 Emitter PIN 3 Collector

Parameter	Symbol	Rating	Unit
Supply Voltage	V_{CC}	-50	V
Input Voltage	V_{IN}	-20	V
		7.0	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	

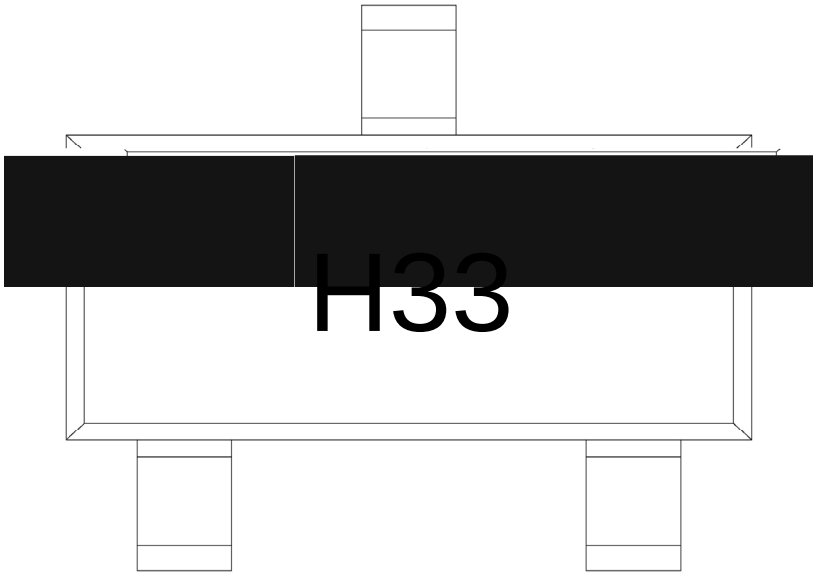
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Input Voltage	$V_{I(off)}$	V_{CC}=-5.0V I_O=-100μA	-0.3			V
	$V_{I(on)}$	V_O=-0.3V I_O=-20mA			-2.5	V
Output Voltage	$V_{O(on)}$	I_O=-10mA I_I=-0.5mA		-0.1	-0.3	V
Input Current	I_I	V_I=-5.0V			-1.8	mA
Output current	$I_{O(off)}$	V_{CC}=-50V V_I=0V			-0.5	μA
DC Current Gain	G_I	V_O=-5.0V I_O=-10mA	30			
Transition Frequency	f_T	V_O=-10V I_O=-5.0mA f=100MHz		250		MHz
Resistance1	R_1		3.29	4.7	6.11	KΩ
Resistance Ratio	R_2/R_1		1.7	2.1	2.6	


ON Characteristics
OFF Characteristics
OUTPUT CURRENT I_O (mA)
INPUT VOLTAGE $V_{I(OFF)}$ (V)


$V_{I(ON)}$ — I_O
G_I — I_O
OUTPUT CURRENT I_O (mA)
OUTPUT CURRENT I_O (mA)


C_O — V_R
P_D — T_a
f=1MHz
(pF)
(mW)
REVERSE VOLTAGE V_R (V)
AMBIENT TEMPERATURE T_a (°C)

SOT-323
单位：mm
A



H

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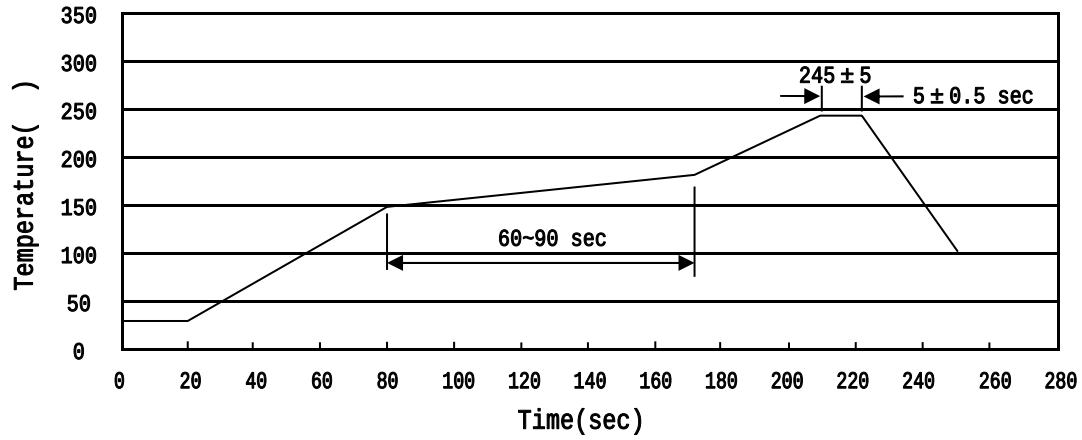
Note:

H	Company Code
33	Product Type Code

Whp shrdwxrh Prriioh irr IU Uhiorw Vroghriqj+Pe-Frhh,



Note:

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

2 245±5 5±0.5sec; 2.Peak Temp.:245±5 , Duration:5±0.5sec.

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

260±5 10±1 sec. Temp:260±5 Time:10±1 sec

/ REEL

Package Type	Units					Dimension		(unit mm^3)