/ Descriptions

SOT-23 PNP Silicon PNP Digital transistor in a SOT-23 Plastic Package.

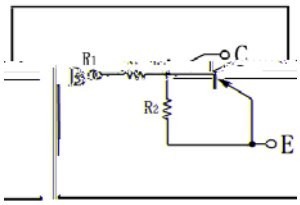
/ Features

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

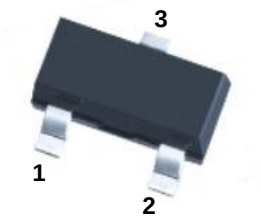
/ Applications

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

/ Equivalent Circuit



/ Pinning



PIN 1 Base PIN 2 Emitter PIN 3 Collector

/ h_{FE} Classifications & Marking

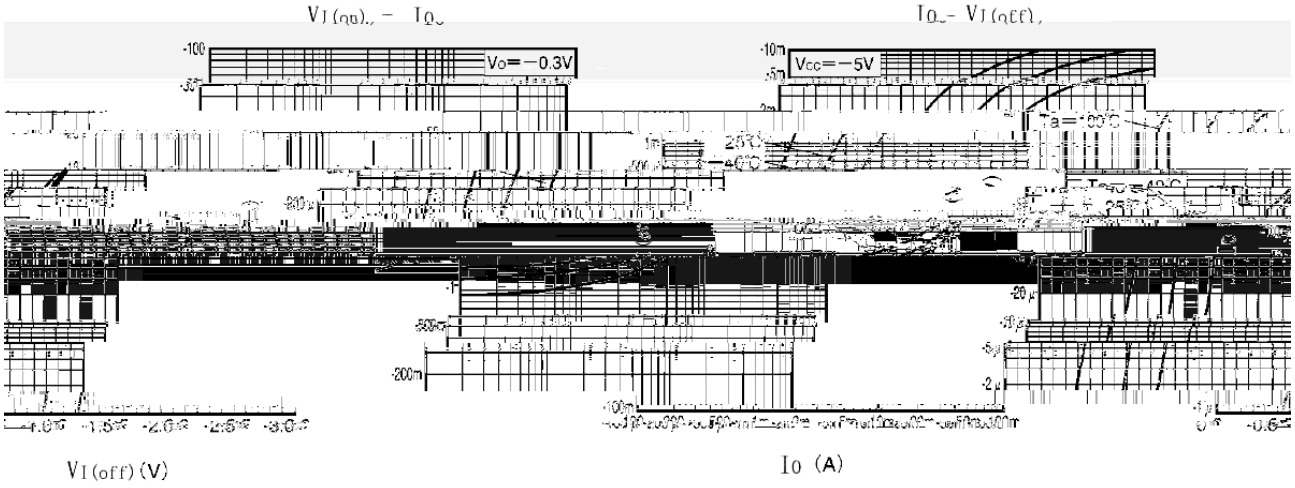
Marking	H16

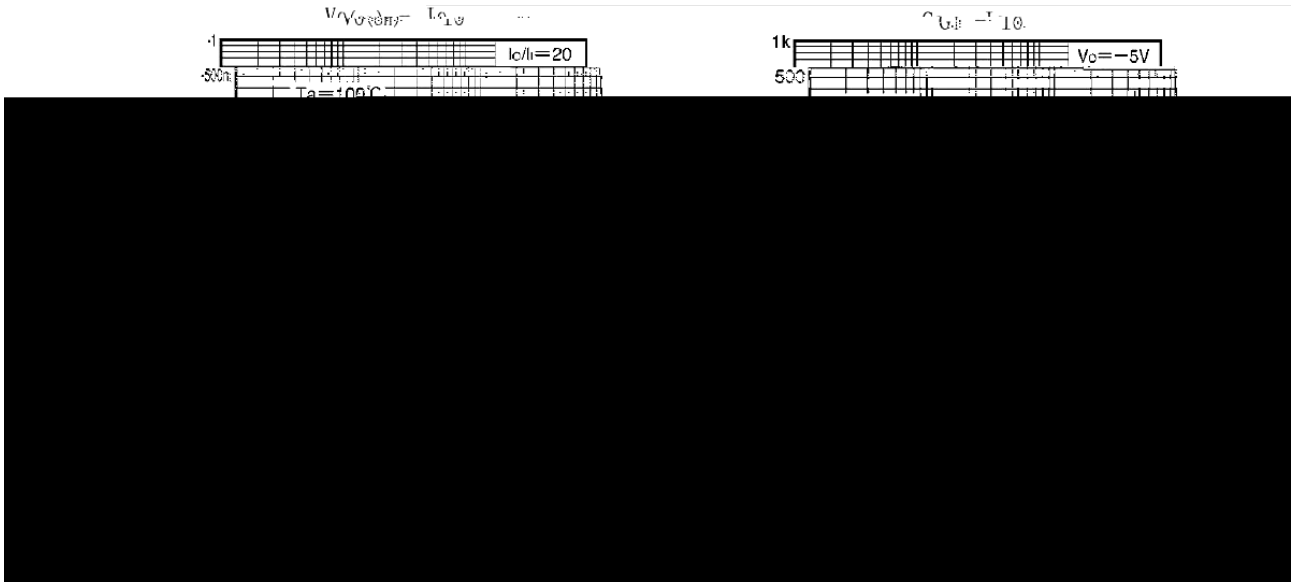
Parameter	Symbol	Rating	Unit
Output Voltage	V_{CC}	-50	V
Input Voltage	V_{IN}	-40	V
		10	V
Output Current	$I_{C\ max}$	-100	mA
	I_O	-30	mA
Power Dissipation	P_d	200	mW
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Input Voltage	$V_{I(off)}$	V_{CC}=-5.0V I_O=-100μA			-0.5	V
	$V_{I(on)}$	V_O=-0.3V I_O=-2.0mA	-3.0			V

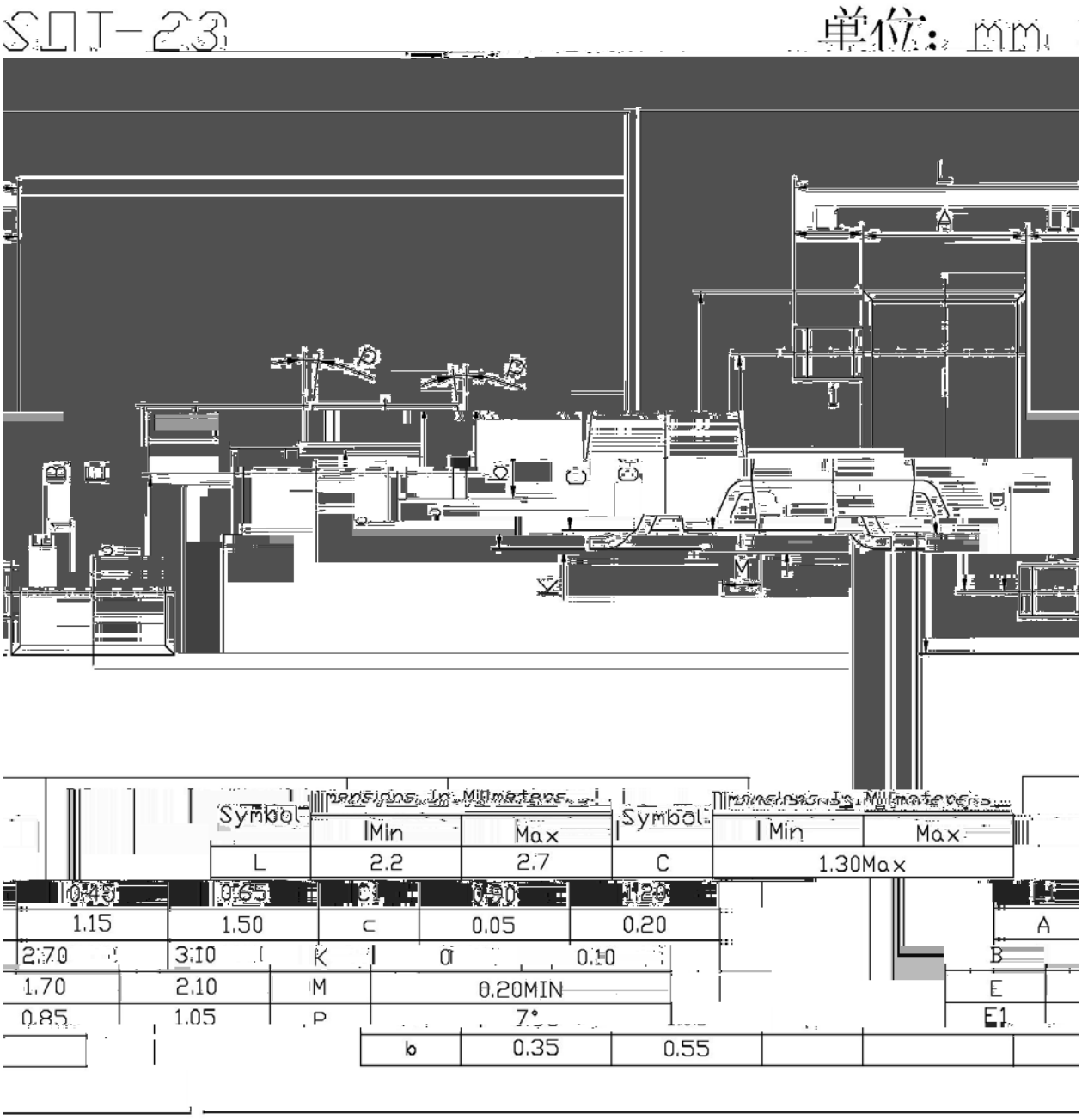
Out57.3 4215403 T4c0.00 0 TD(A)T4Out29 0.

/ Electrical Characteristic Curve

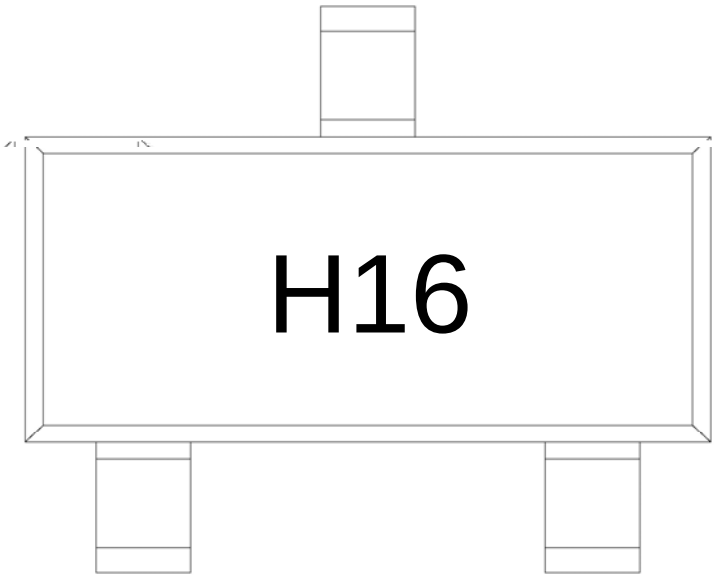




/ Package Dimensions



/ Marking Instructions



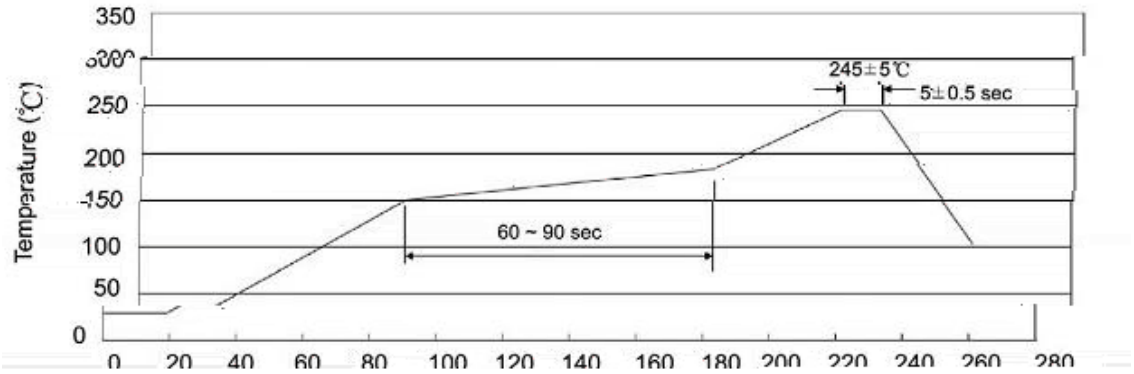
H

16

Note:

H	Company Code
16	Product Type Code

( ) / Temperature Profile for IR Reflow Soldering(Pb-Free)



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