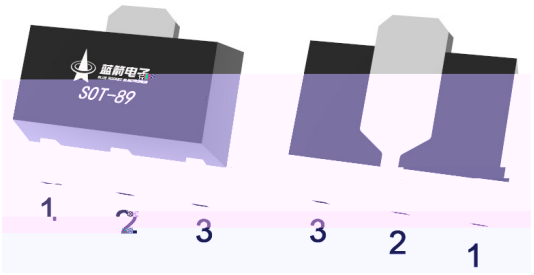
SOT-89 Voltage Regulator in a SOT-89 Plastic Package.

100mA,

3-Terminal regulators, output current up to 100 mA, internal thermal overload protection and short-circuit limiting,HF Product.

Voltage Regulator.

/ / Equivalent Circuit or Application Circuit



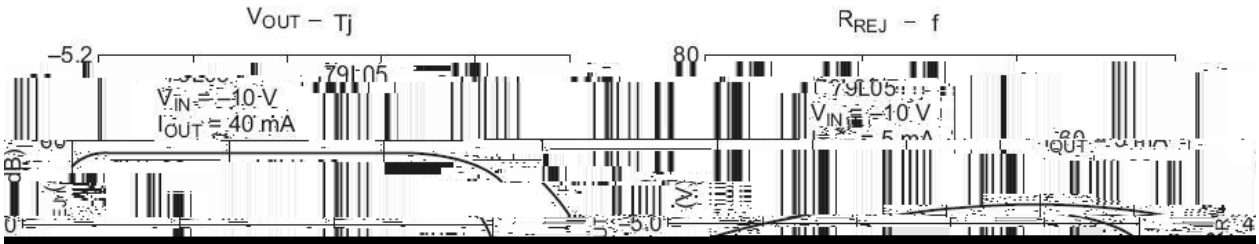
PIN 1 GND PIN 2 IN PIN3 OUT

/ Marking

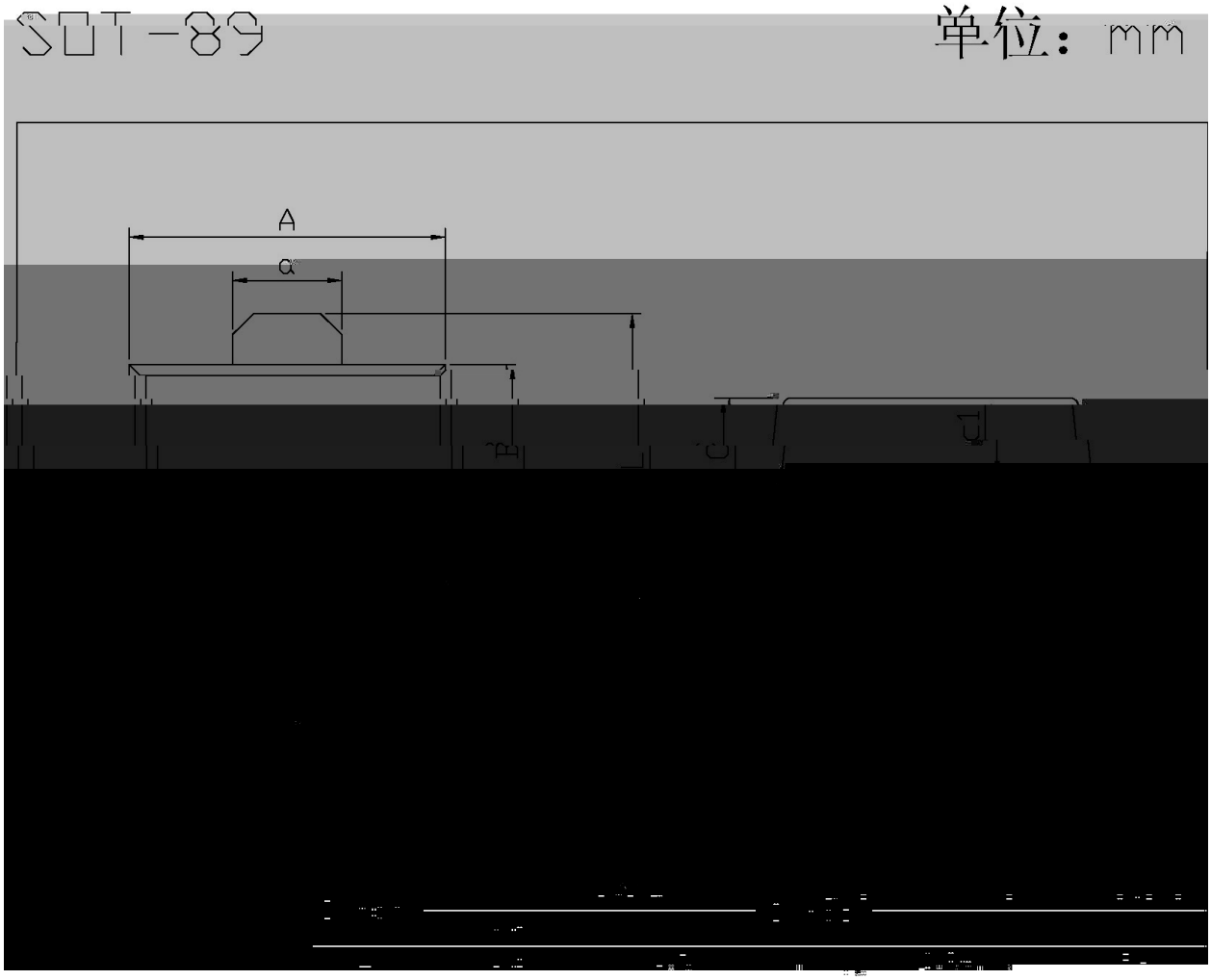
Parameter	Symbol	Rating	Unit
Input voltage	V_I	-35	V
Output current	I_O	100	mA
Junction Temperature	T_J	150	
Operating Temperature Range	T_{OPR}	-40 125	
Storage temperature range	T_{stg}	-65 150	
Power Dissipation	P_D	500	mW

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Output voltage	V_O	I_O=40mA T_j=25	-4.80	-5.0	-5.2	V
		-7.5V≤V_{in}≤-20V 5mA≤I_{out}≤100mA	-4.75	-5.0	-5.25	
Line Regulation	REGline	-7.5V≤V_{in}≤ -20V Io=40mA T_j=25		50	150	mV
Load Regulation	REGload	5mA≤I_{out}≤100mA T_j=25		20	60	
		5mA≤I_{out}≤40mA T_j=25		10	30	
Bias current	I_Q	I_{out}=0 T_j=25		3	6	mA
Bias current change	I_Q	-8V≤V_{in}				

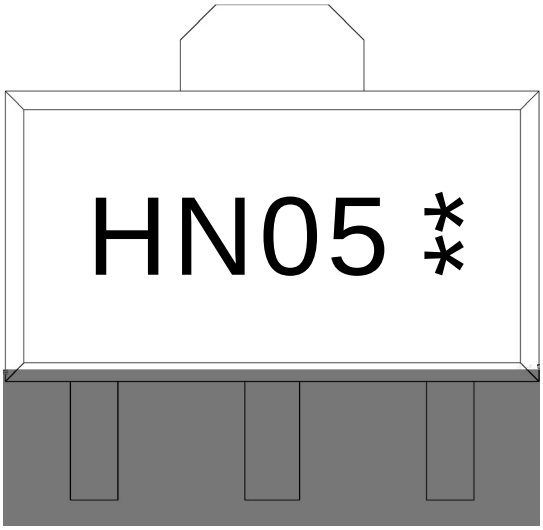
/ Electrical Characteristic Curve



/ Package Dimensions



/ Marking Instructions



H

N05

**

Note:

H:	Company Code
N05:	Product Type Code
**:	Lot No. Code, code change with Lot No.

79L05T