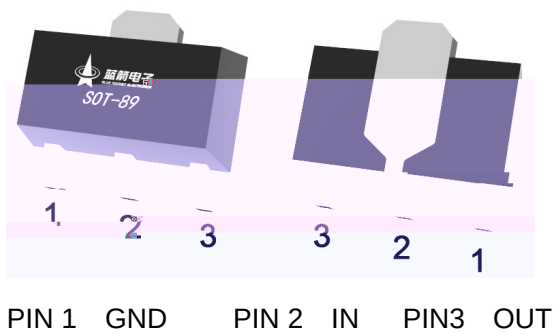


SOT-89 Voltage Regulator in a SOT-89 Plastic Package.

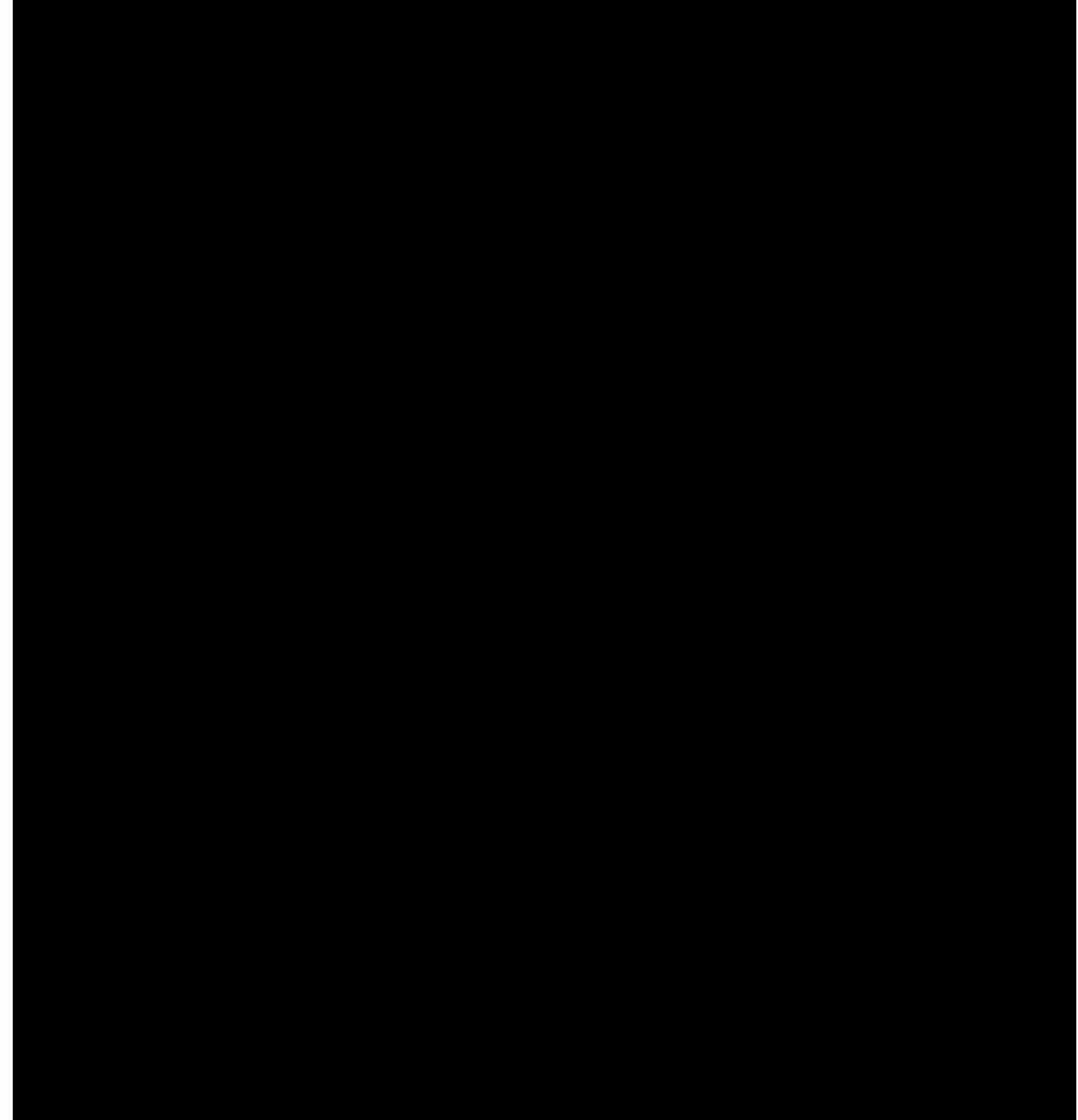
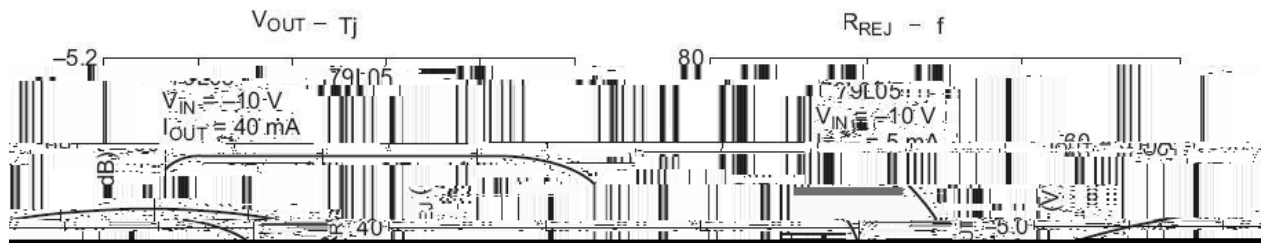
100mA,
3-Terminal regulators, output current up to 100 mA, internal thermal overload protection and short-circuit limiting,HF Product.

Voltage Regulator.



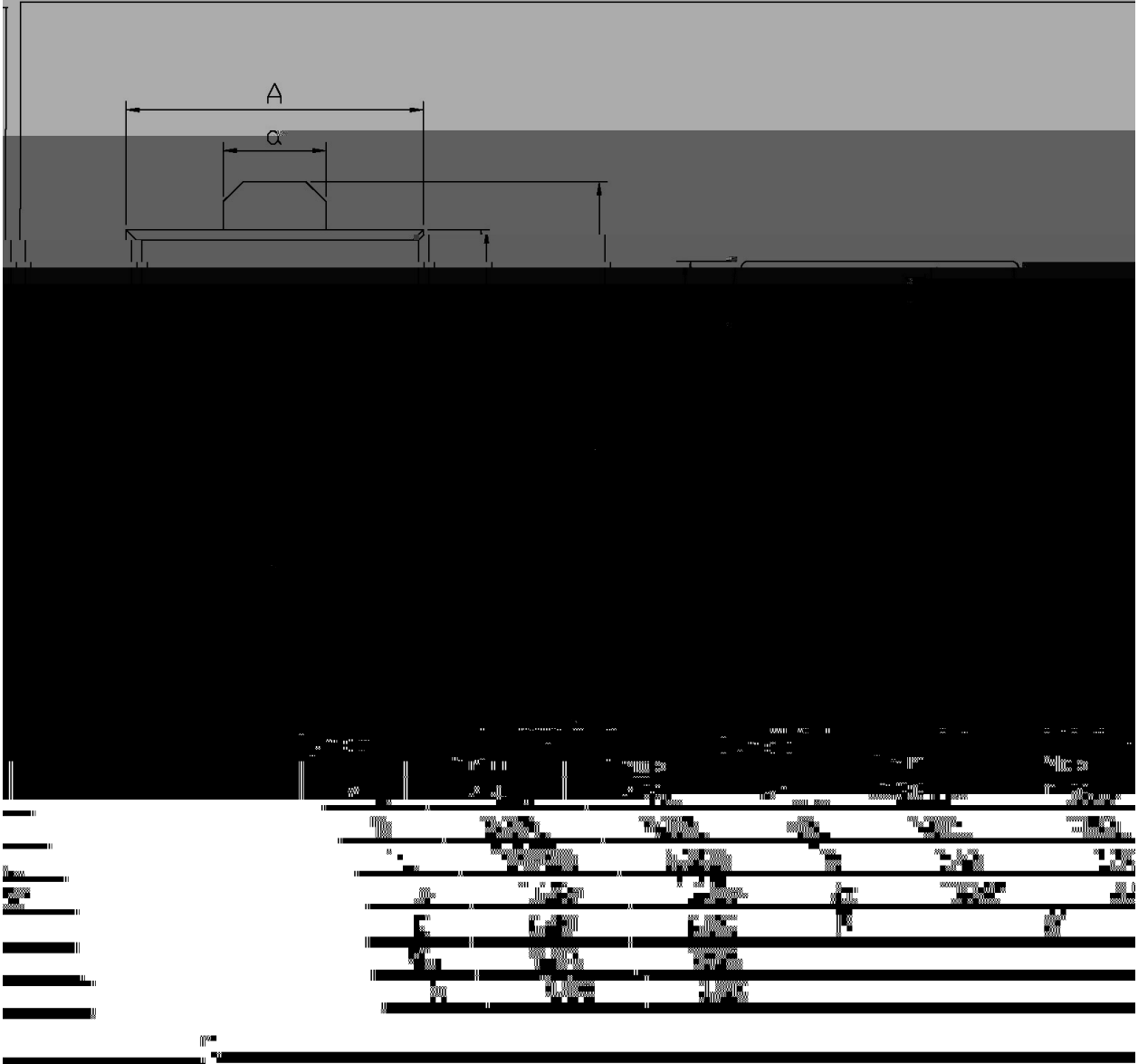
Parameter	Symbol	Rating	Unit
Input voltage	V_I	-35	V
Output current	I_O	100	mA
Junction Temperature	T_J	150	
Operating Temperature Range	T_{OPR}	-40 125	
Storage temperature range	T_{stg}	-65 150	
Power Dissipation	P_D	500	mW

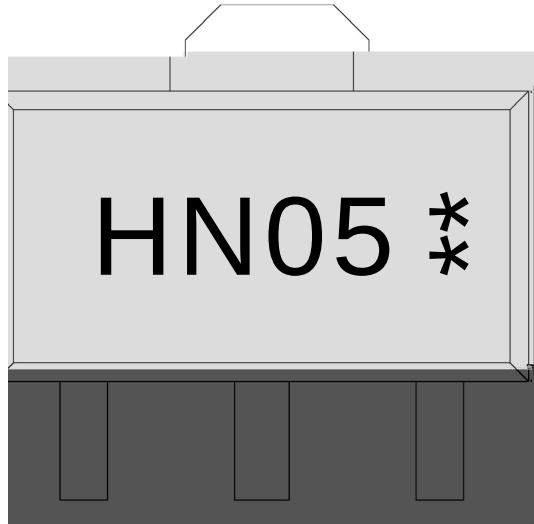
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Output voltage	V_O	$I_O=40mA$ $T_J=25$	-4.80	-5.0	-5.2	V
		$-7.5V \leq V_{in} \leq -20V$ $5mA \leq I_{out} \leq 100mA$	-4.75	-5.0	-5.25	
Line Regulation	REGline	$-7.5V \leq V_{in} \leq -20V$ $I_O=40mA$ $T_J=25$		50	150	mV
Load Regulation	REGload	$5mA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



SUT-89

单位: mm





H

N05

**

Note:

H: Company Code

N05: Product Type Code

** : Lot No. Code, code change with Lot No.

