

/ Descriptions

Voltage Regulator in a SOT-89 Plastic Package.

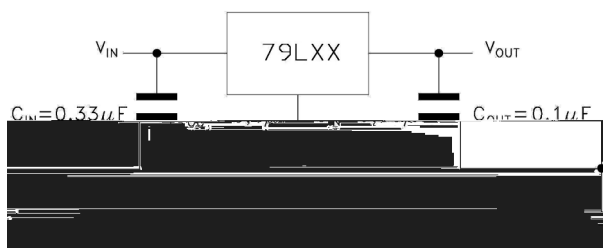
/ Features

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

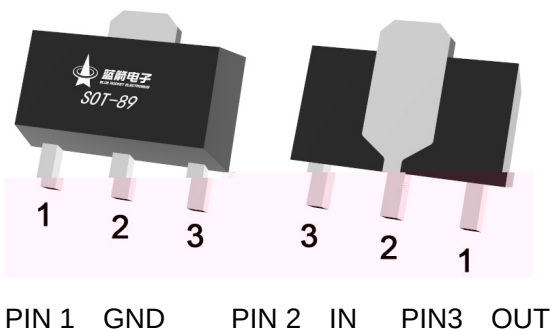
/ Applications

Voltage Regulator.

/ Equivalent Circuit or Application Circuit



/ Pinning



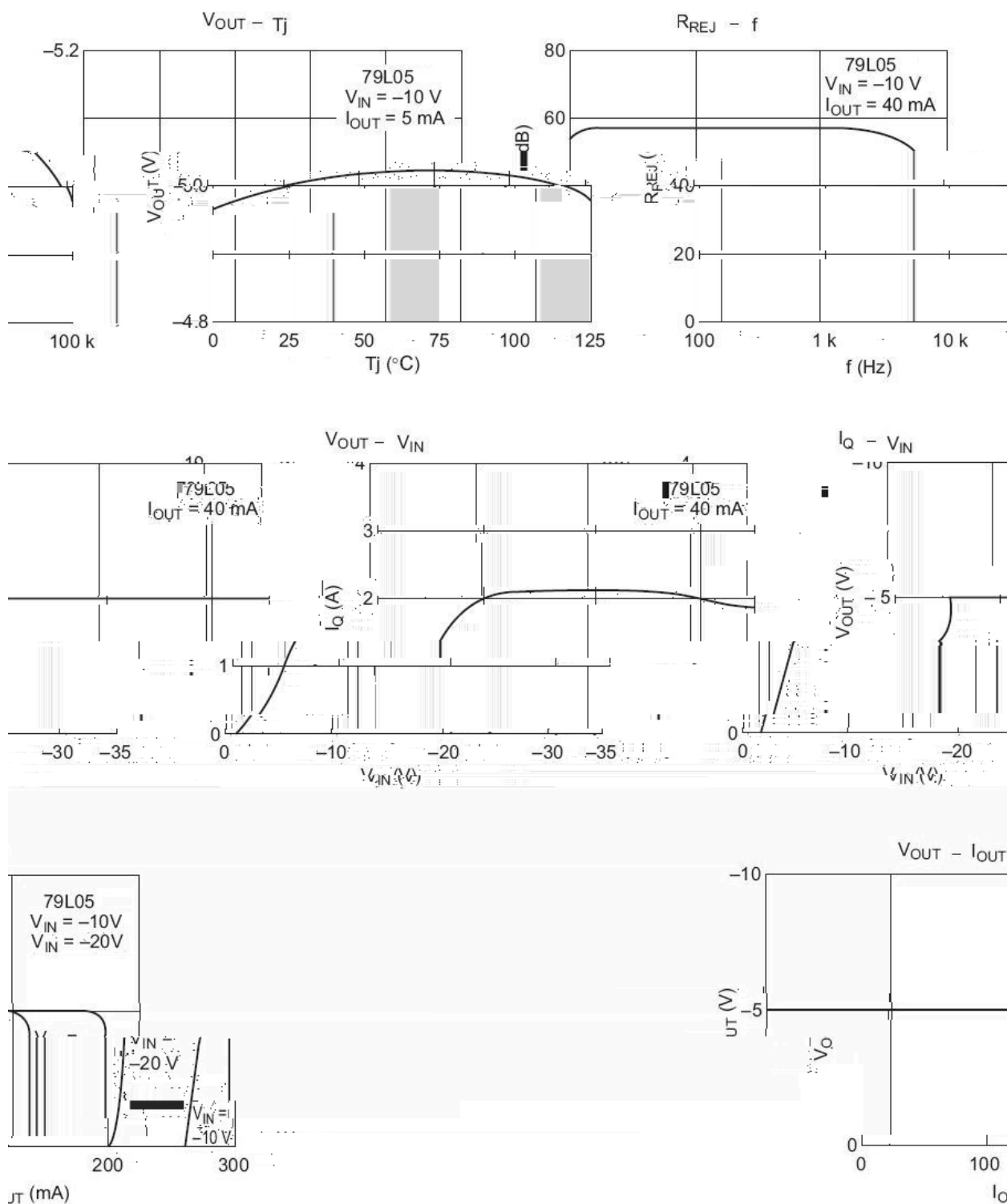
/ Marking

Marking	HN05
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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					

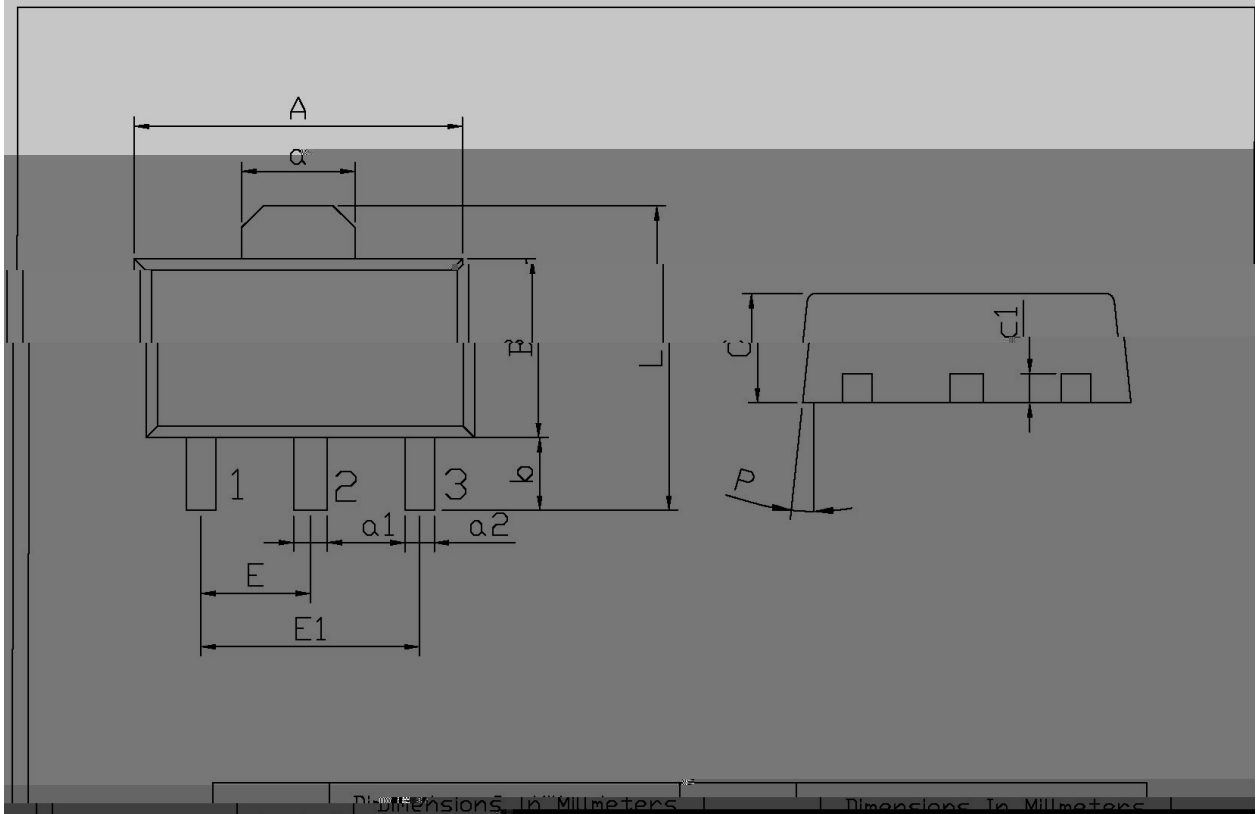
/ Electrical Characteristic Curve



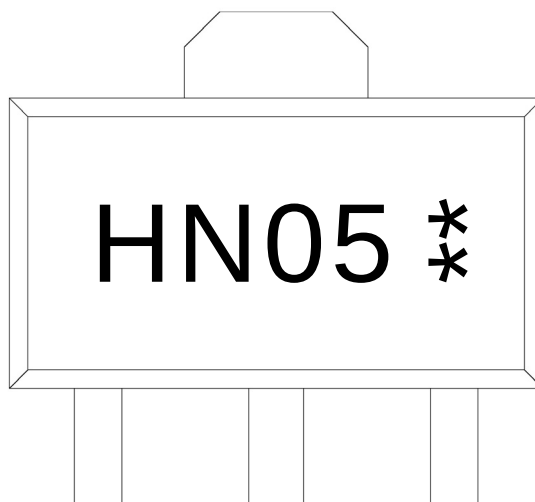
/ Package Dimensions

SUT-89

单位: mm



/ Marking Instructions



H

N05

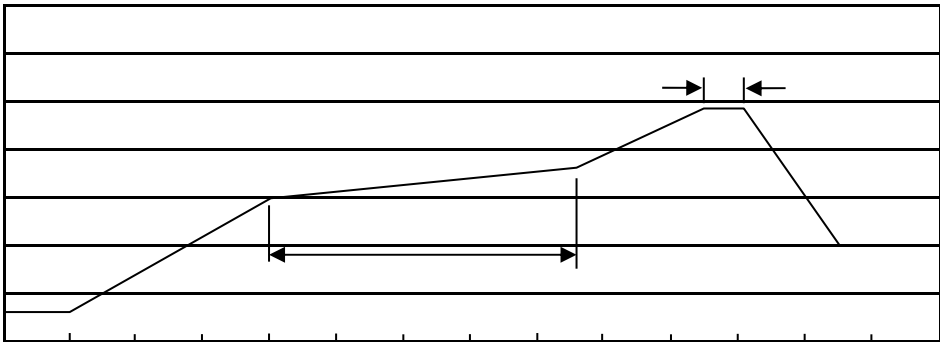
Note:

H: Company Code

N05: Product Type Code

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

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- Note:

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

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

3. Cooling Speed: 2~10 /sec.
- 1

150 180

60 90sec;
- 2

245 5

5 0.5sec;
- 3

2 10 /sec.

/ Resistance to Soldering Heat Test Conditions

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

/ Packaging SPEC.

/ REEL

Package Type	Units					Dimension (unit mm ³)		
SOT-89	1,000	7	7,000	6	42,000	7 ×12	180×120×180	390×385×205

/ Notices