

/ Descriptions

SOT-23 Voltage Regulator in a SOT-23 Plastic Package.

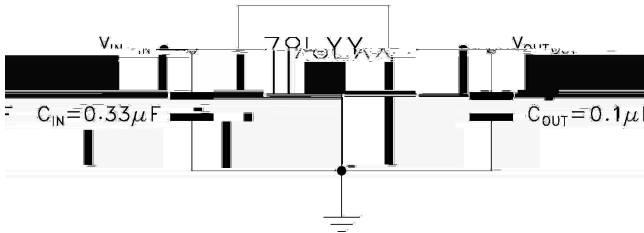
/ Features

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

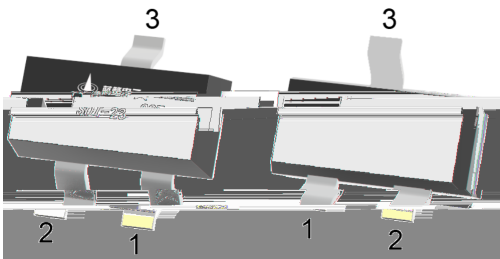
/ Applications

Voltage Regulator.

/ / Equivalent Circuit or Application Circuit



/ Pinning



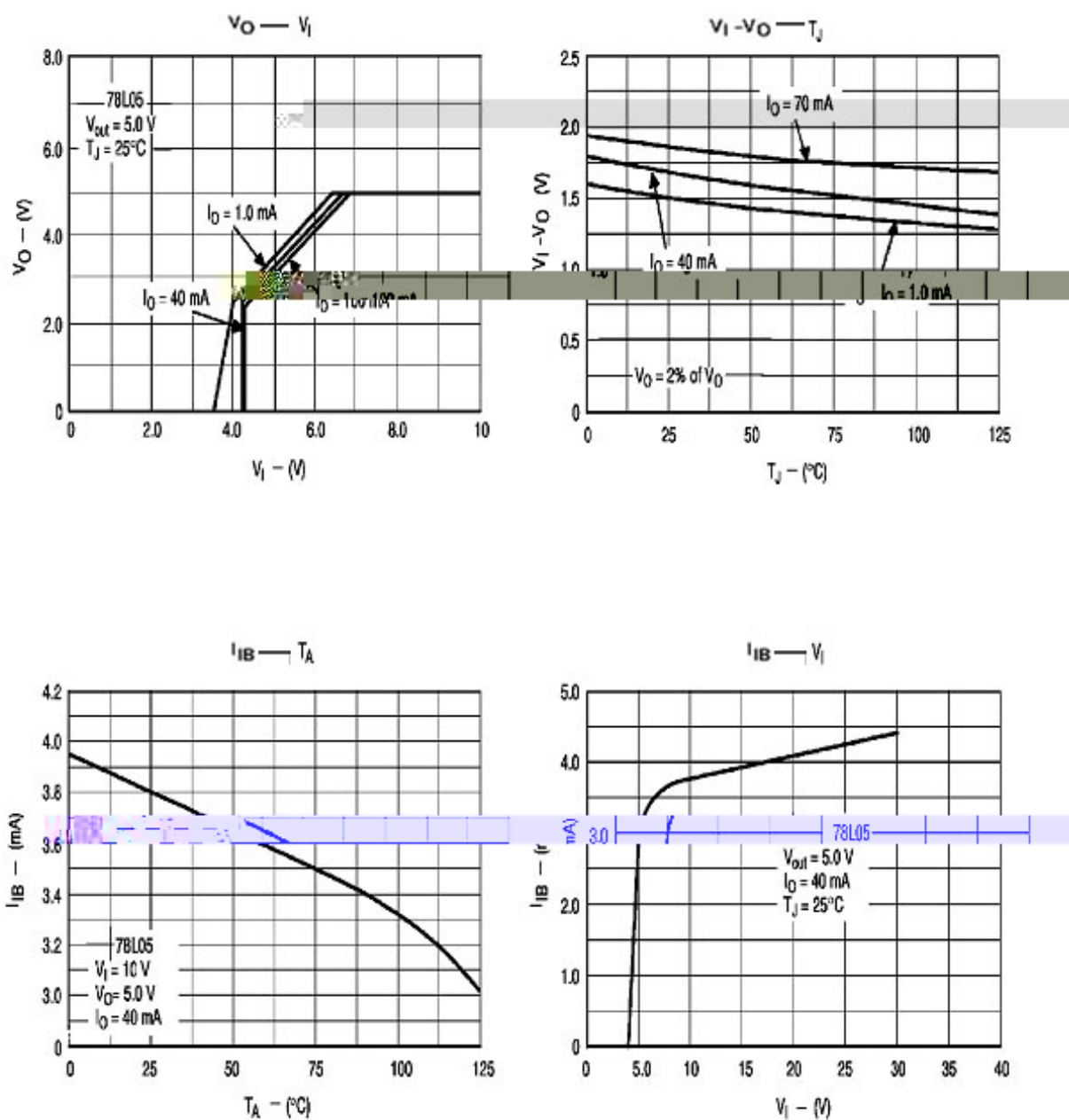
PIN1 VOUT PIN 2 VIN PIN 3 GND

/ Marking

Marking	HL05
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Parameter	Symbol	Rating	Unit
Input voltage	V_I	30	V
Output current	I_O	100	mA
Operating Temperature Range	T_{OPR}	-40 125	
Power Dissipation	P_D	350	mW

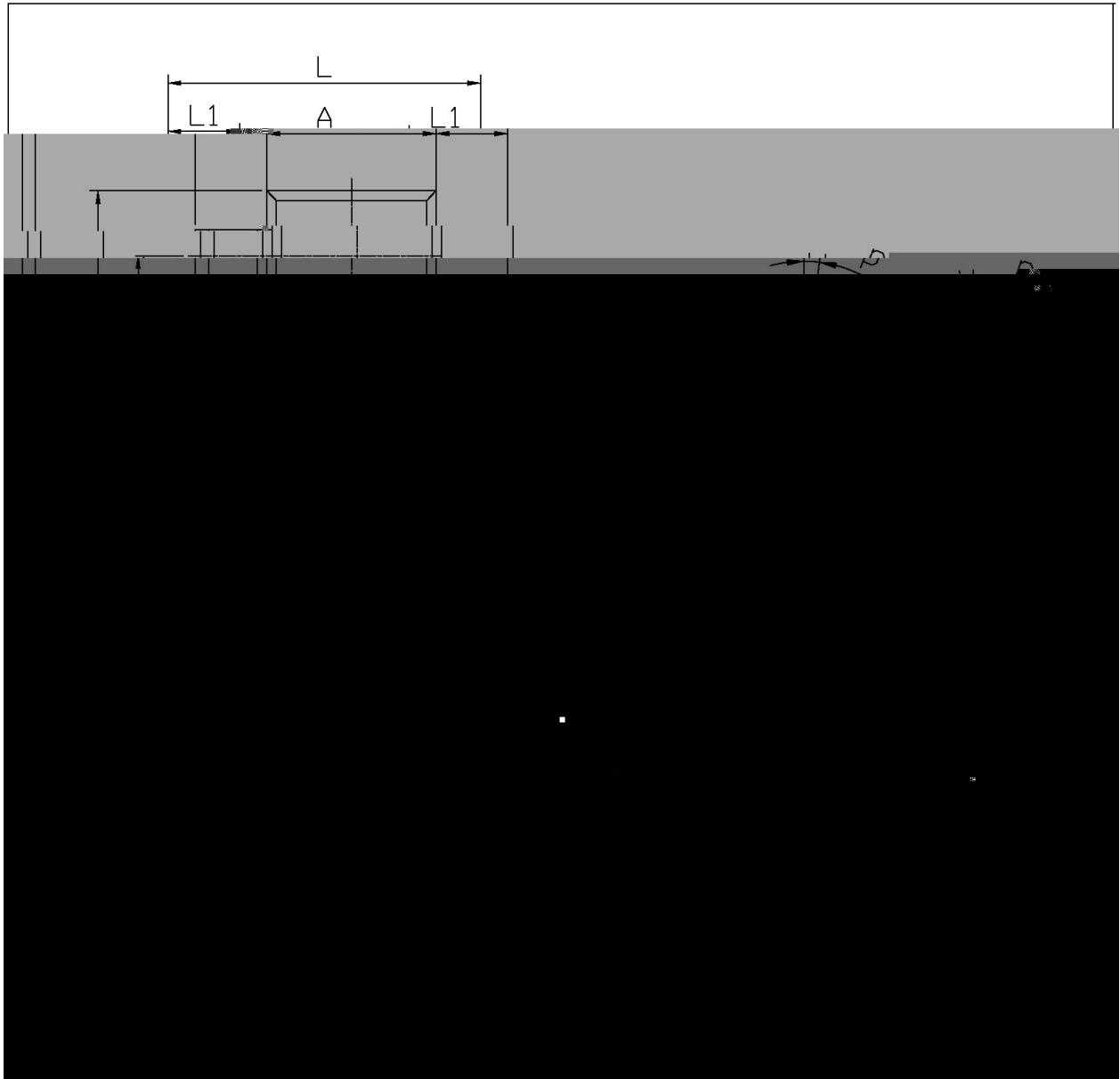
/ **Electrical Characteristic Curve**



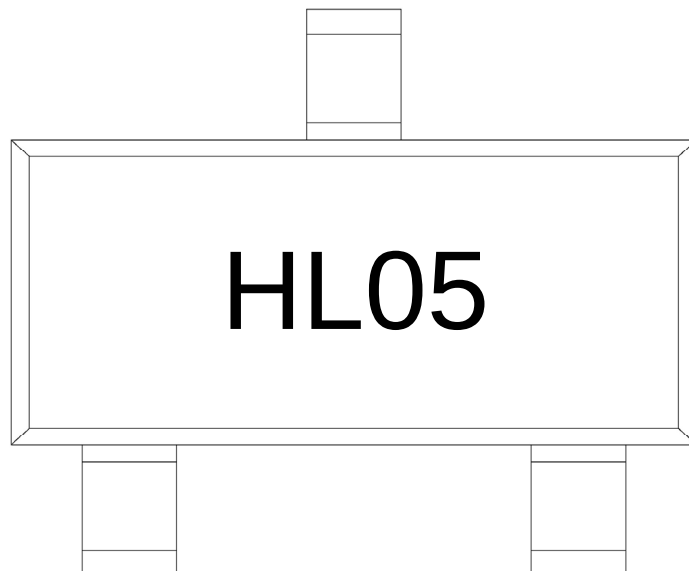
/ Package Dimensions

SOT-23

单位: mm



/ **Marking Instructions**



H

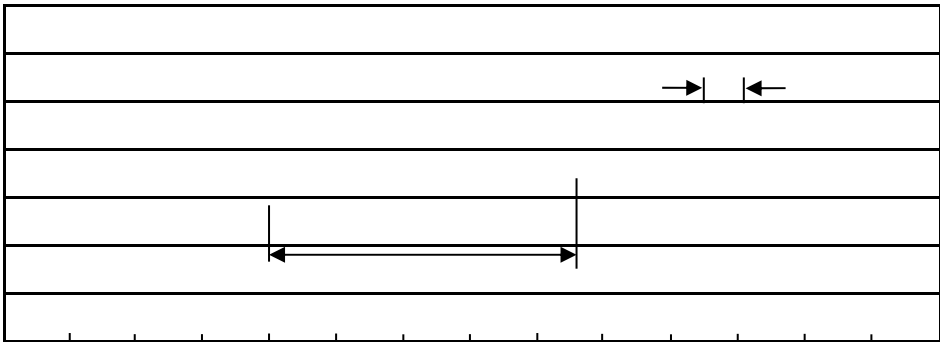
L05

Note:

H: Company Code

L05: Product Type Code

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



- Note:
- 1

150 180

60 90sec;

2

245±5

5±0.5sec;

3

2 10 /sec.
- 1.Preheating:150~180 , Time:60~90sec.

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

3. Cooling Speed: 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)		
	Units/Reel	Reels/Inner Box	Units/Inner Box	Inner Boxes/Outer Box	Units/Outer Box	Reel	Inner Box	Outer Box
SOT-23	3,000	10	30,000	6	180,000	7 ×8	180×120×180	390×385×205

/ Notices