

**/ Descriptions**

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

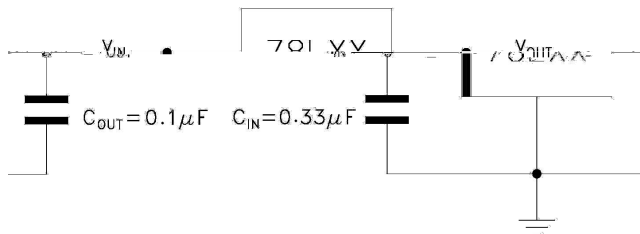
**/ Features**

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

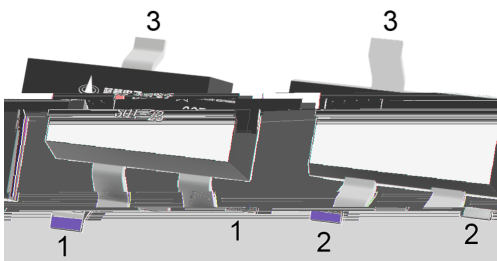
**/ Applications**

Voltage Regulator.

**/ Equivalent Circuit or Application Circuit**



**/ Pinning**



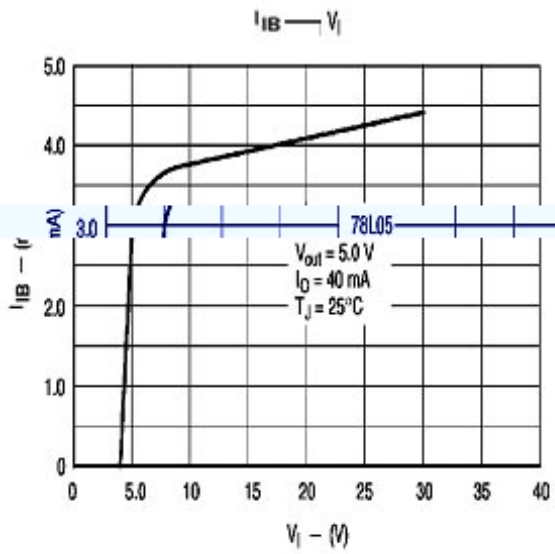
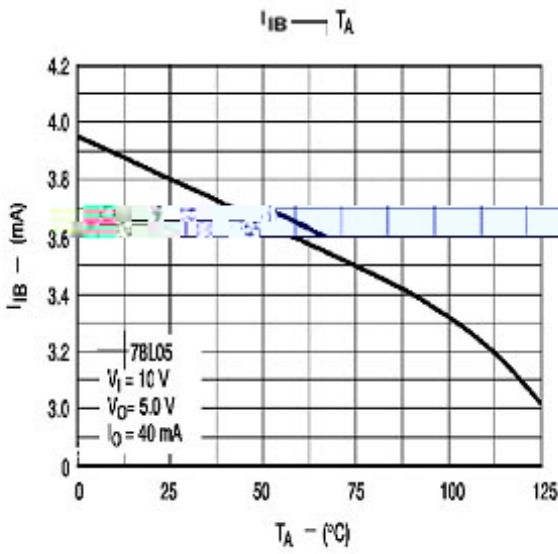
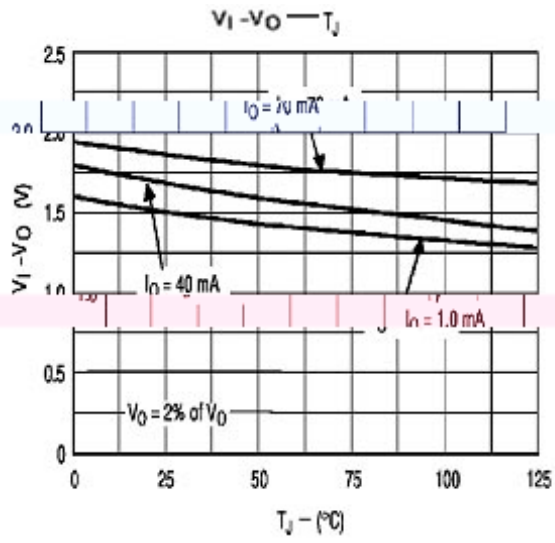
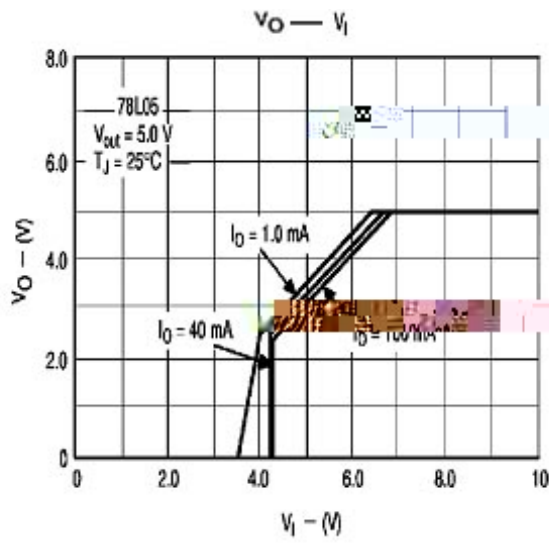
PIN1 VOUT PIN 2 VIN PIN 3 GND

**/ 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

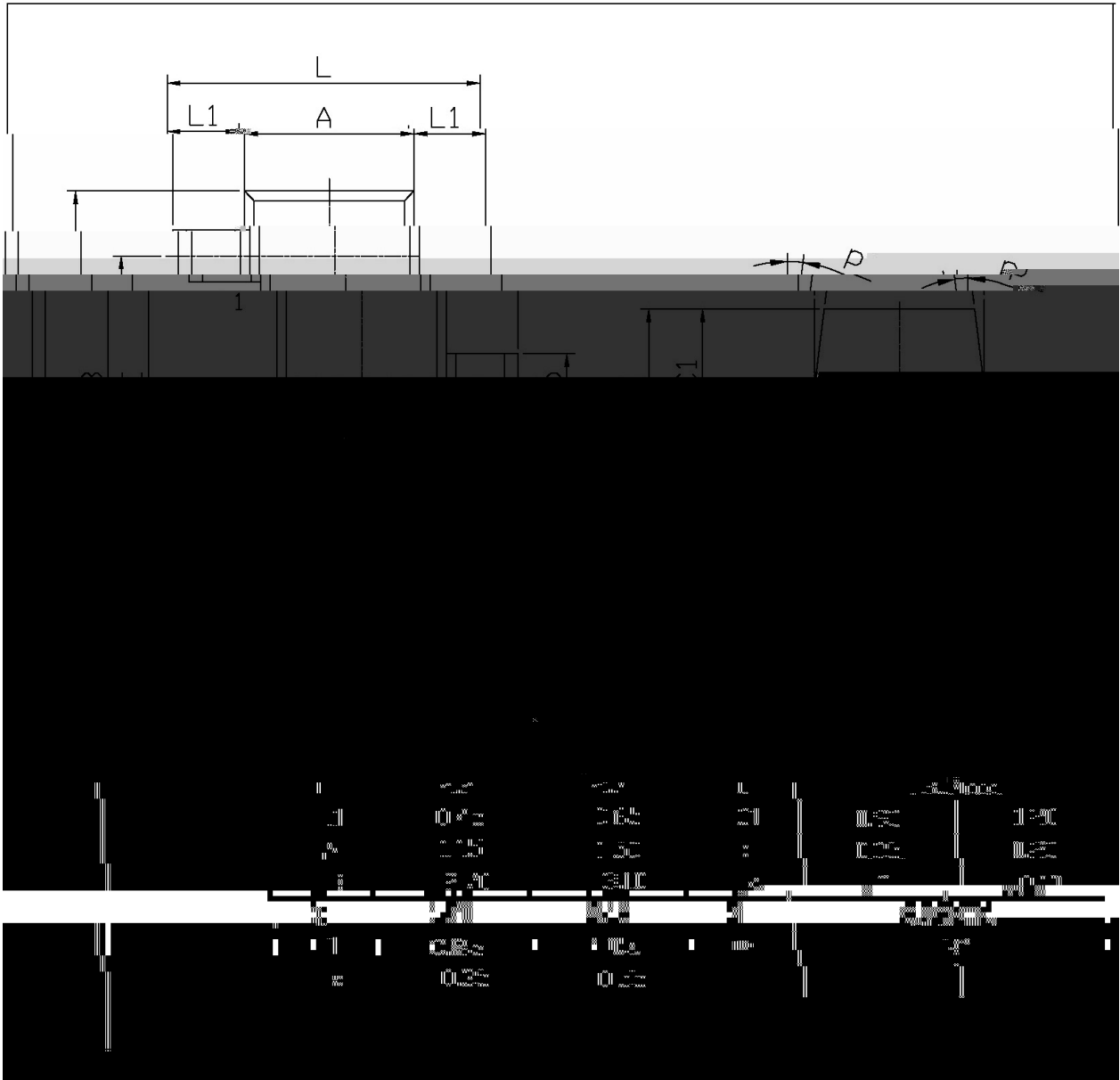
/ Electrical Characteristic Curve



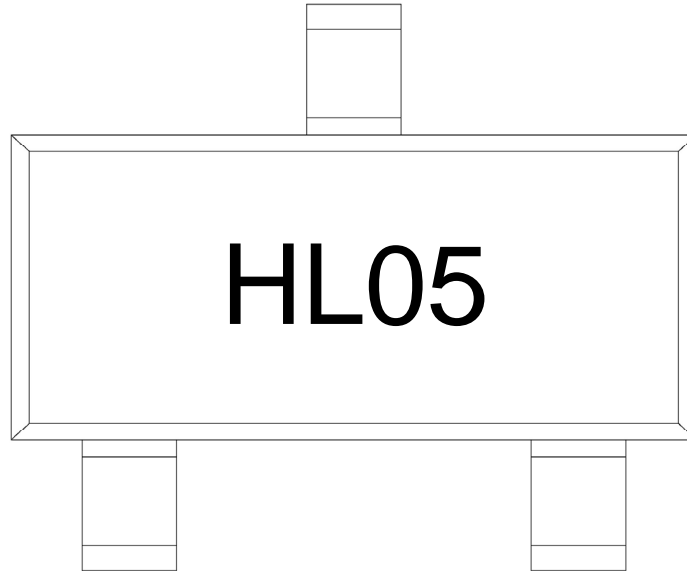
/ Package Dimensions

SOT-23

单位: mm



/ **Marking Instructions**



H

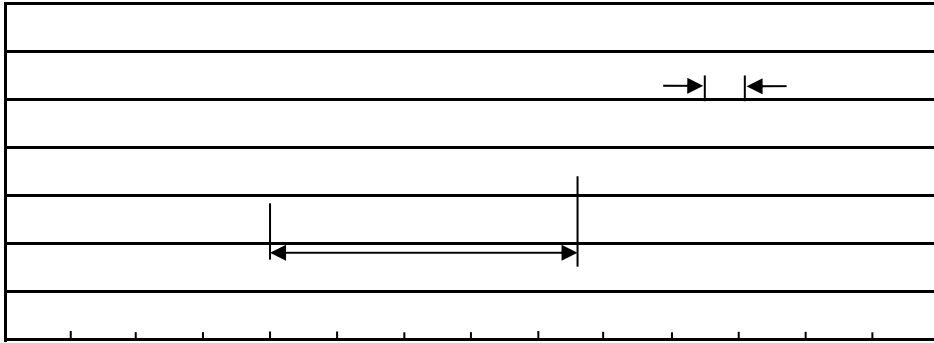
L05

Note:

H: Company Code

L05: Product Type Code

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



Note:

- |   |         |           |   |
|---|---------|-----------|---|
| 1 | 150 180 | 60 90sec; | 1.Preheating:150~180 , Time:60~90sec.   |
| 2 | 245±5   | 5±0.5sec; | 2.Peak Temp.:245±5 , Duration:5±0.5sec. |
| 3 | 2 10    | /sec.     | 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 <sup>3</sup> )		
SOT-23	3,000	10	30,000	6	180,000	7 x8	180x120x180	390x385x205

/ Notices