

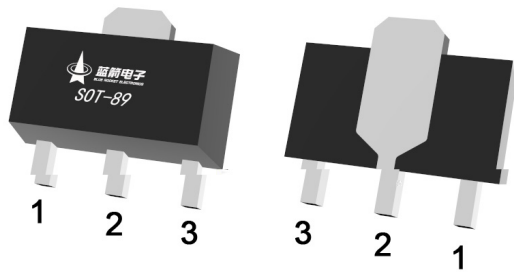
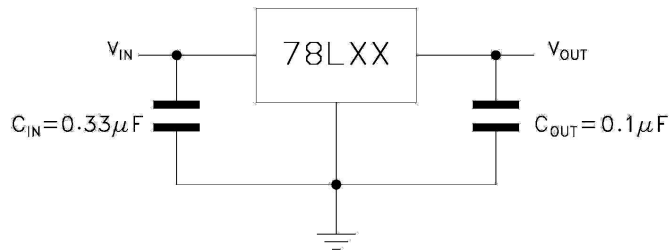
SOT-89

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.

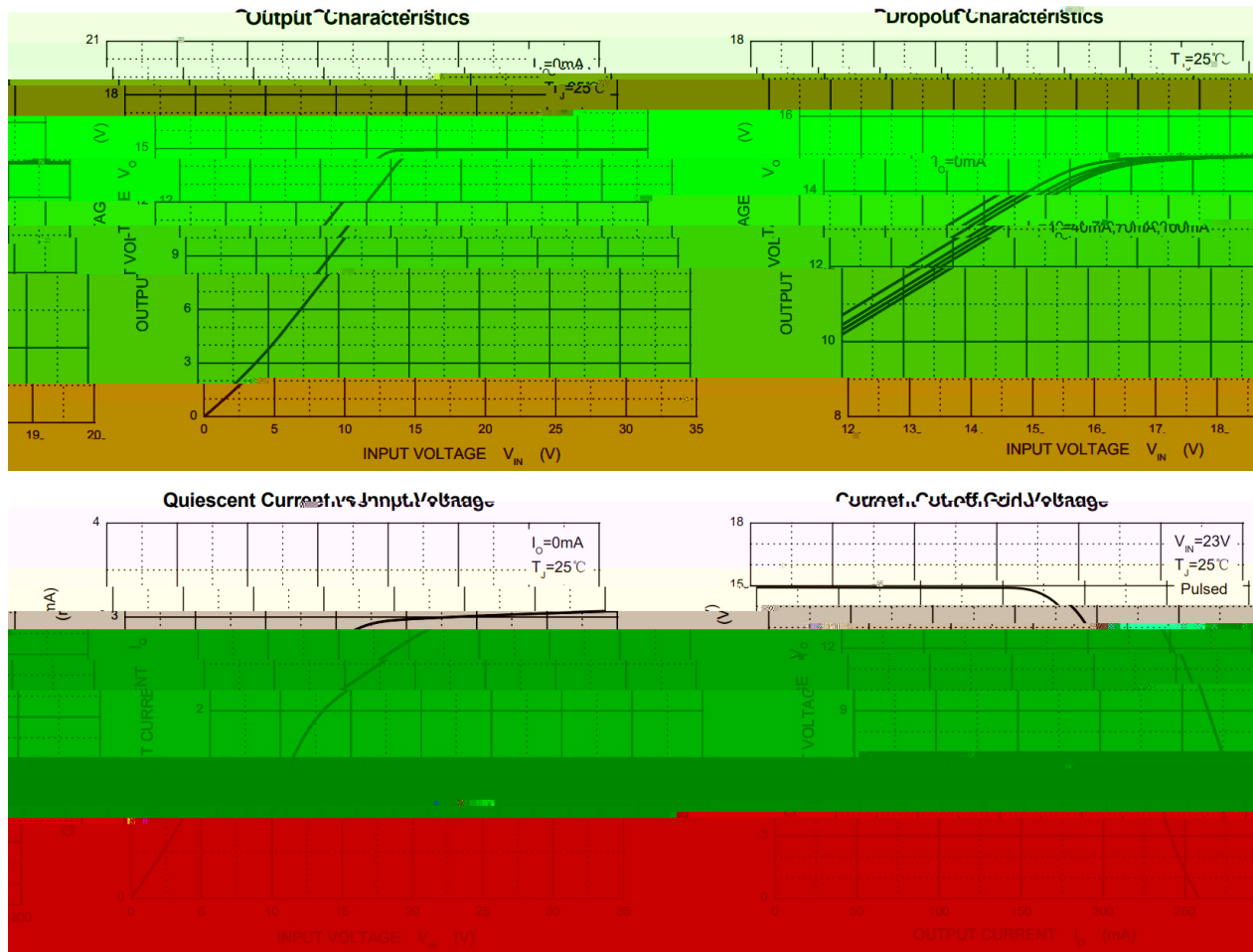


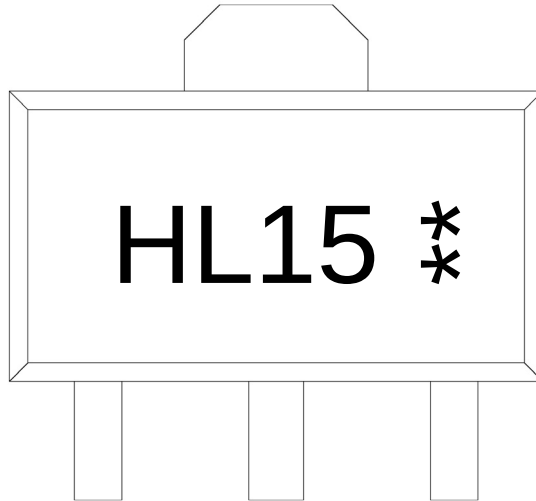
PIN1 OUT PIN 2 GND PIN 3 IN

See Marking Instructions.

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

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Output voltage	V_O	$I_O = 40mA \quad T_j = 25$	14.4	15	15.6	V
		$I_O = 1mA \text{ to } 40mA$ $V_I = 17.5V \text{ to } 30V$	14.25		15.75	V
		$I_O = 1mA \text{ to } 70mA$ $V_I = 23V$	14.25		15.75	V
Input regulation	V_O	$V_I = 17.5V \text{ to } 30V \quad T_j = 25$ $V_I = 20V \text{ to } 30V \quad T$			300	mV





H

L15

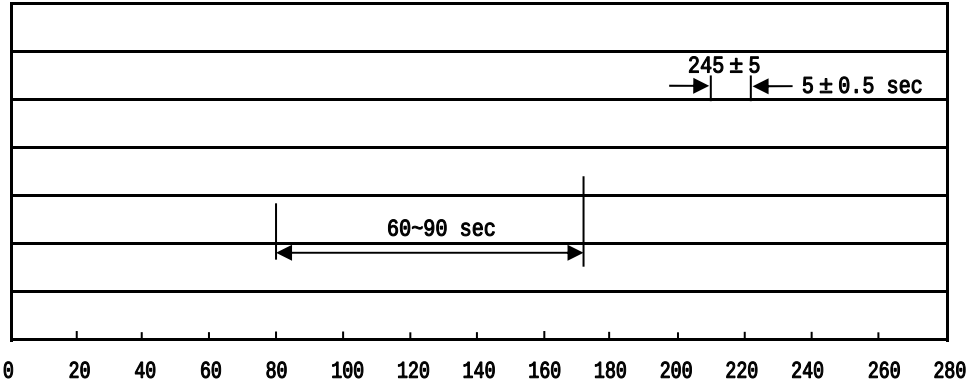
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Note:

H: Company Code

L15: Product Type Code

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



- Note:
1. Preheating: 150~180 , Time: 60~90sec.
2. Peak Temp.: 245 ± 5 , Duration: 5 ± 0.5 sec.
3. Cooling Speed: 2~10 /sec.
- 1 150 180 60 90sec;
2 245 ± 5 5 ± 0.5 sec;
3 2 10 /sec.

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

/ 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