5 é / Description

9 5 : .> / / x 9 ² … ˜ož Voltage Regulator in a SOT-89 Plastic Package.

¤ª / Features

€ l 9 ² … ˜ k ÿ ß v ä S ' Ä — ½ ‘ y ? è ’ ò k —)í D }ož

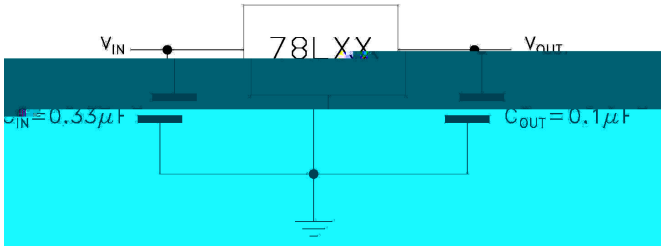
3-Terminal regulators, output current up to 100 mA, internal thermal overload protection and short-circuit limiting, HF Product.

Ð ÷ / Applications

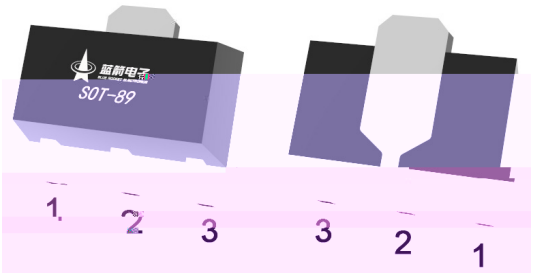
9 ² … ˜ož

Voltage Regulator.

Ã W] Ô · / € Ð Ô · / Ethernet Application Circuit



• Û - æ / Pin Configuration



PIN1 y OUT PIN 2 y GND PIN 3 y IN

, M V / Ordering Information

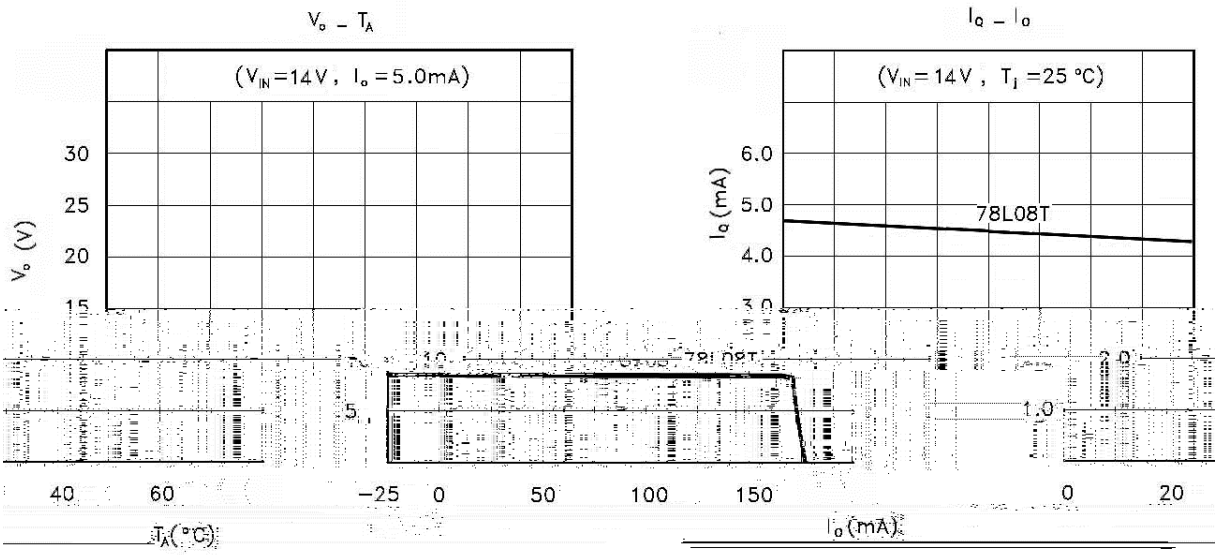
Marking	HL08 ‡

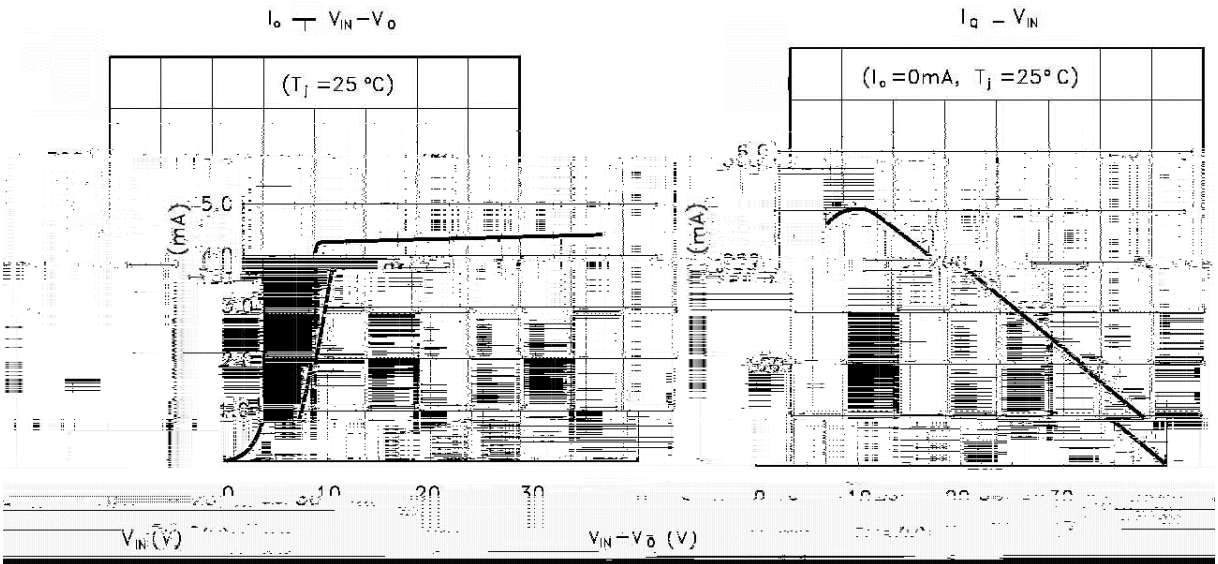
@ƒ Parameter	…Z Symbol	ƒ› Rating	%y Unit
Input voltage	V_I	30	V
Output current	I_O	100	mA
Operating virtual Junction temperature	T_J	0 125	
Power Dissipation	P_D	500	mW
Storage temperature range	T_{stg}	-65 150	

@ƒ Parameter	…Z Symbol	y¡Ú^ Test Conditions	Â4› Min	Áº› Typ	ÂÝ› Max	%y Unit
Output voltage	V_O	Io=40mA T_j=25	7.7	8.0	8.3	V
		I_O=1mA to 40mA V_I=10.5V to 23V	7.6	8.0	8.4	V
		I_O=1mA to 70mA V_I=14V	7.6	8.0	8.4	V
Input regulation	.Vo	V_I=10.5V to 23V T_j=25		42	175	mV
		V_I=11V to 23V T_j=25		36	125	mV
Ripple rejection	RR	V_I=13V to 23V f=120Hz T_j=25	37	46		dB
Output regulation	.V_O	I_O=1mA to 100mA T_j=25		18	80	mV
		I_O=1mA to 40mA T_j=25		10	40	mV

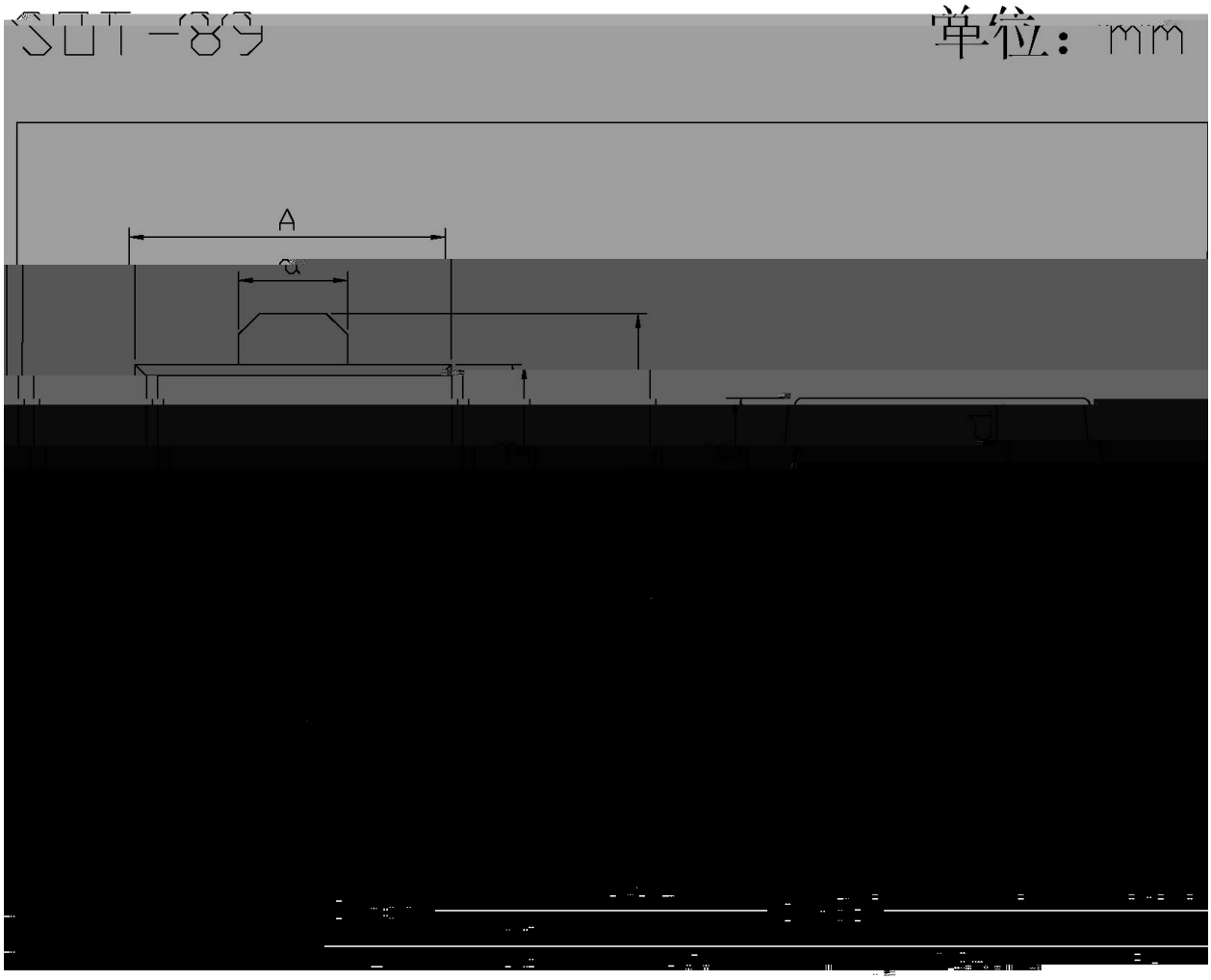
18.42

Ô ? d • Ž ¢ / Electrical Characteristics

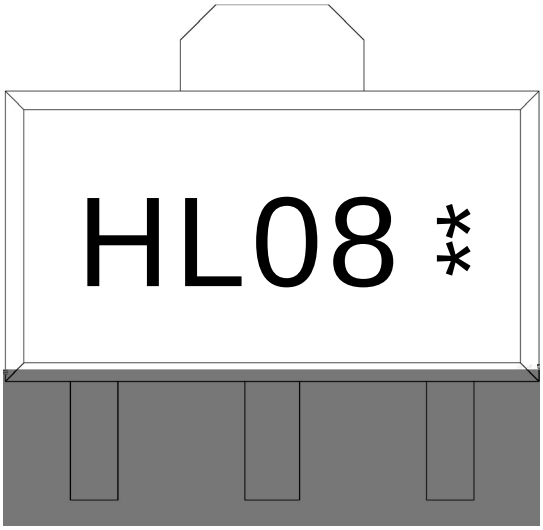




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L08 y º Z W A

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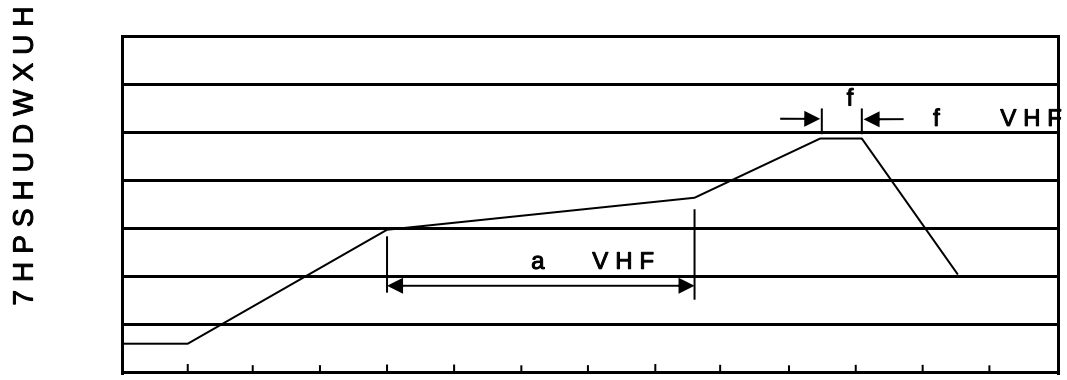
Note:

H: Company Code

L08: Product Type

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

š WD t ... • Ž ¢ (x /) / : K S V K X G Z [X K 6 X U L O R K L U X / 8 8 K L R U] 9 U R J K X O T M 6



7 L P H V H F

ª ¢ y

Note:

1o• Ä ½ “ † 150 ½180 - k ž • 60 ½90sec;

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

2o• Q › “ † 245 r5 - k ž • 4 Ò 5 r0.5sec;

2.Peak Temp.:245 r5 - , Duration:5 r0.5sec.

3o•D N ò i Ò 0 , † 2 ½10 - /sec.

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

ÂD /Cã p ¯ »] / [illegible]

“ † y 260 r5 - ž • y 10 r1 sec.

Temp.:260±5 Time:10±1 sec

G P á / [illegible]

2 & x / REEL

Package Type 7>û ˜ E	Units ;>û ¦H					Dimension ;>û p . (unit Æmm³)		
	Units/Reel / --	Reels/Inner Box -- /-	Units/Inner Box /-	Inner Boxes/Outer Box - /1ç	Units/Outer Box /1ç	Reel	Inner Box×	Outer Box1ç
SOT-89	1,000	7	7,000	6	42,000	7 s ×12	180×120×180	390×385×205

„ Ð y ƒ / [illegible]