5 é / Dp

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

¤ ª / Fa

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

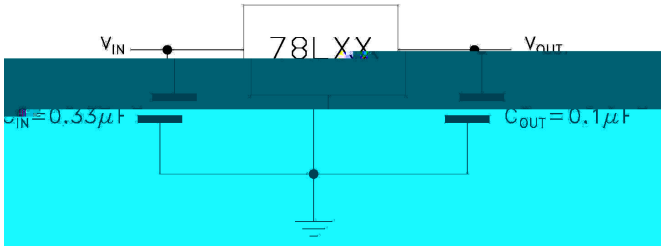
3-Terminal regulators, output current up to 100 mA, internal thermal overload protection and short-circuit limiting, HF Product.

Ð ÷ / Ap

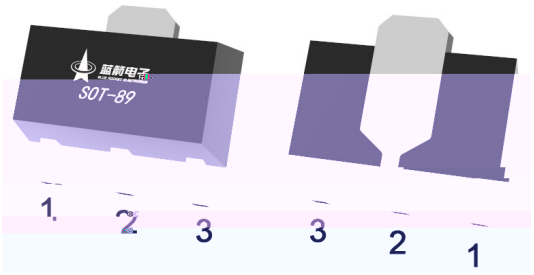
9 ² … ˜ož

Voltage Regulator.

Ã W] Ô · / € Ð Ô · / EqCoApCo



• Û - æ / Bg



PIN1 y OUT PIN 2 y GND PIN 3 y IN

, M V / Ig

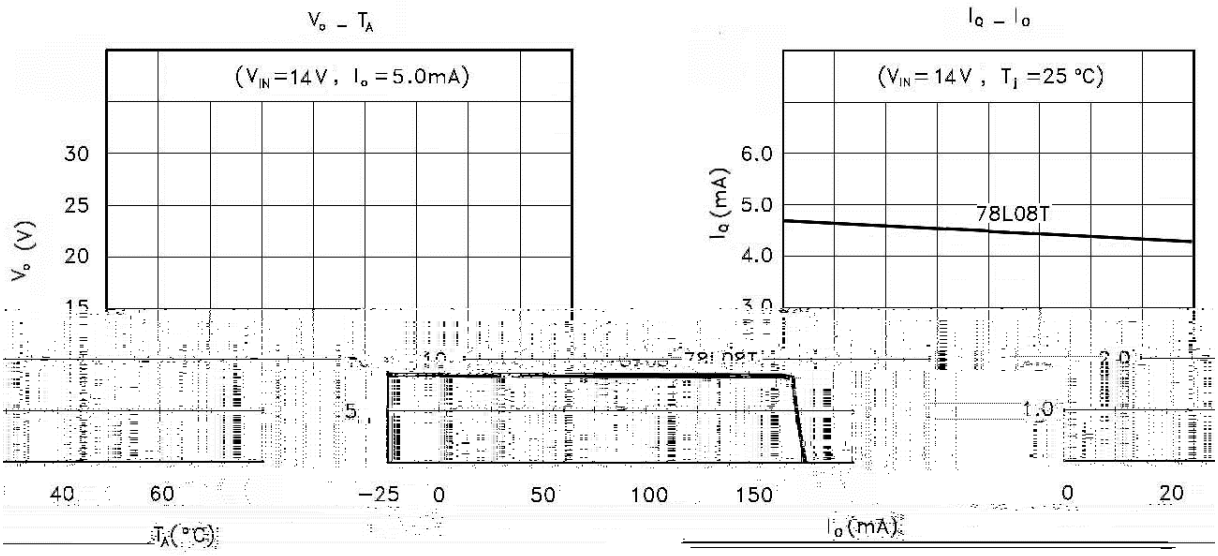
Marking	HL08 ‡

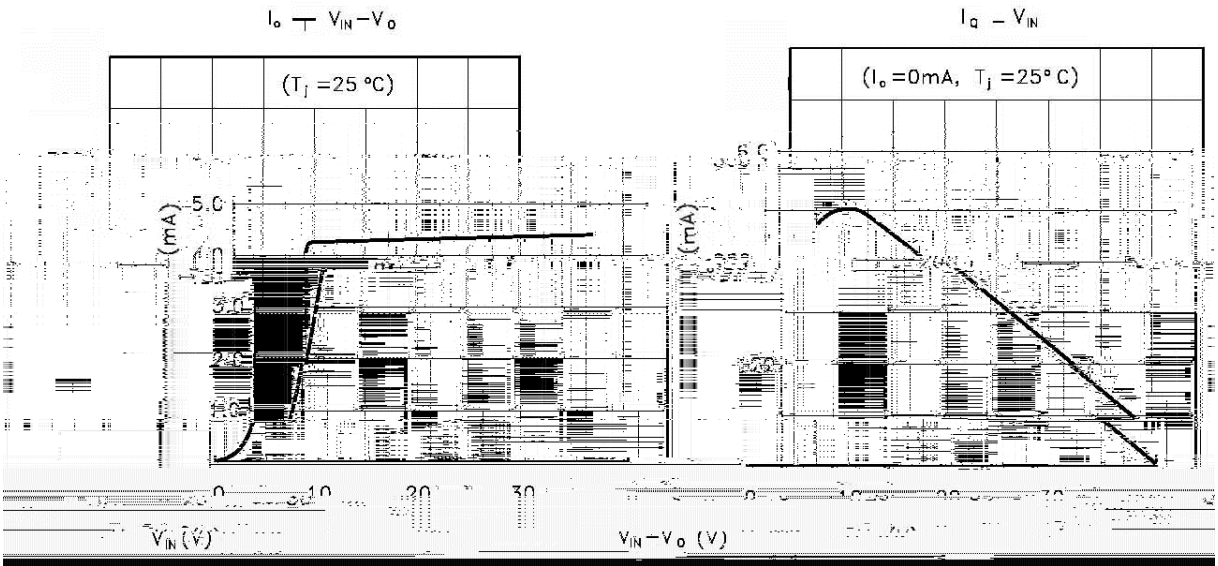
@ ƒ Parameter	… Z Symbol	ƒ › Rating	% y Unit
Input voltage	V_I	30	V
Output current	I_O	100	mA
Operating virtual Junction temperature	T_J	0 125	
Power Dissipation	P_D	500	mW
Storage temperature range	T_{stg}	-65 150	

@ ƒ Parameter	… Z Symbol	y ¡ Ú ^ Test Conditions	Â 4 › Min	Á º › Typ	Â Ý › 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

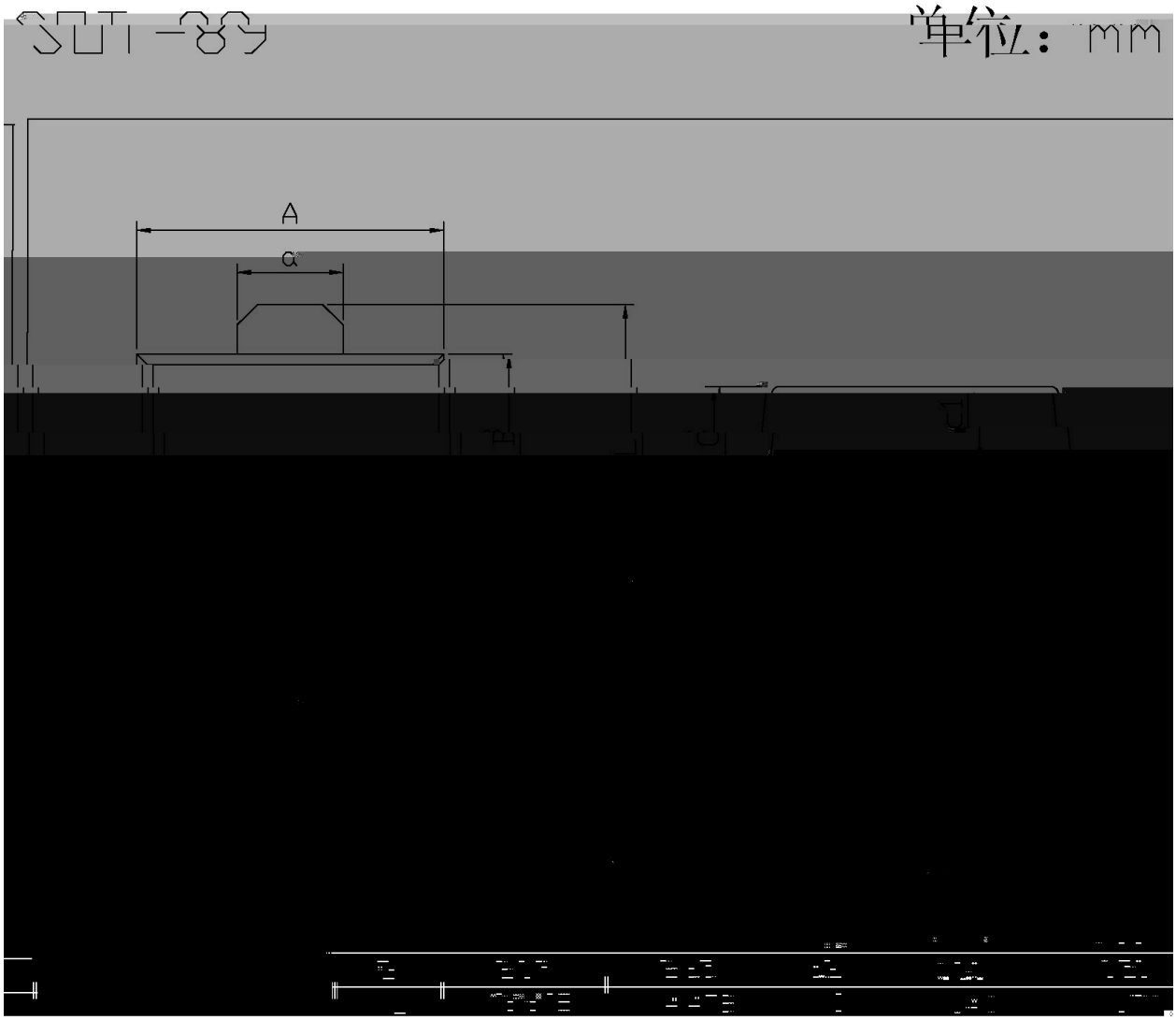
18.42

Ô ? d • Ž ¢ / Electrical Characteristics

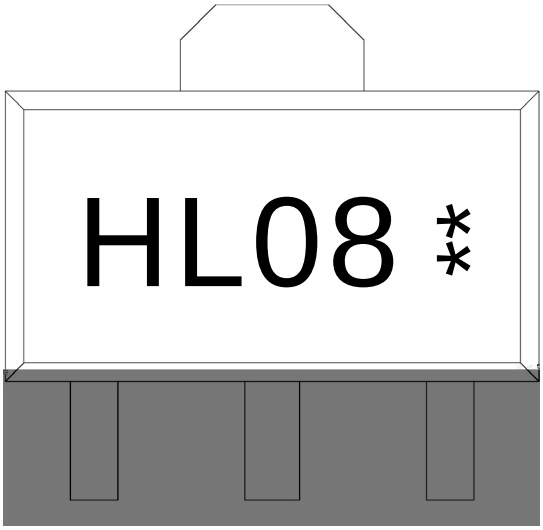




Ø ¤ =) ¢ / gDin



, M y ƒ / ⊞



ª ¢ y

H y ¸ [W A

L08 y º Z W A

y ÿ D Z W A k š ÿ D Z J

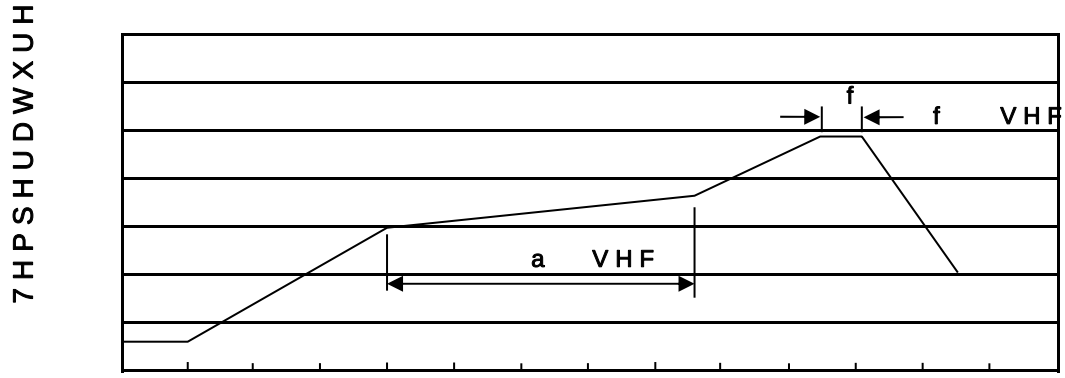
Note:

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

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

2o• Q › “ † 245 r 5 - k ž • 4 Ò 5 r 0.5sec;

3o•D N ò i Ò 0 , † 2 ½10 - /sec.

Note:

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

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

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

ÂD /Cã p ¯ »] / [illegible]

“ † y 260 r 5 - ž • y 10 r 1 sec. Temp.:260±5 Time:10±1 sec

G P á / [illegible]C.

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 Box 1ç
SOT-89	1,000	7	7,000	6	42,000	7 s ×12	180×120×180	390×385×205

„ Ð y ƒ / N [illegible]