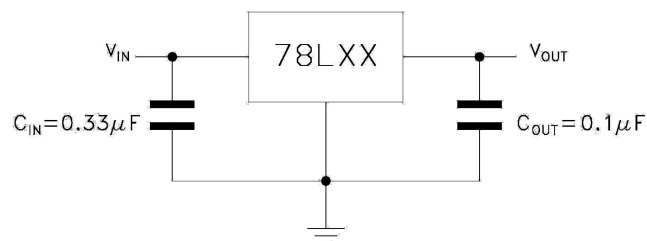


5 é / Dp
9 5: .> // x 9 ² ... ~ož Voltage Regulator in a SOT-89 Plastic Package.

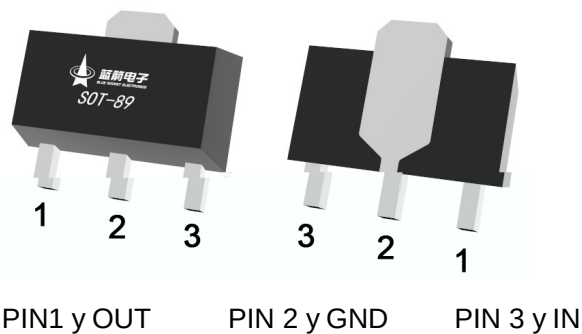
α a / Fb
€ l 9 ² ... ~ k ý ß v ä S' Ä — ½ ' y ? è ' ò k —) í D } ož
3-Terminal regulators, output current up to 100 mA, internal thermal overload protection and short-circuit limiting, HF Product.

Đ ÷ / Ap
9 ² ... ~ož
Voltage Regulator.

Ã W] Ô . / € Đ Ô . / E C t A p C t



• Ů - æ / 9



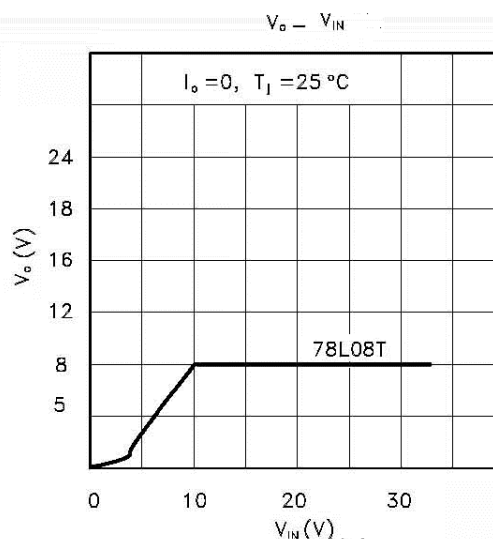
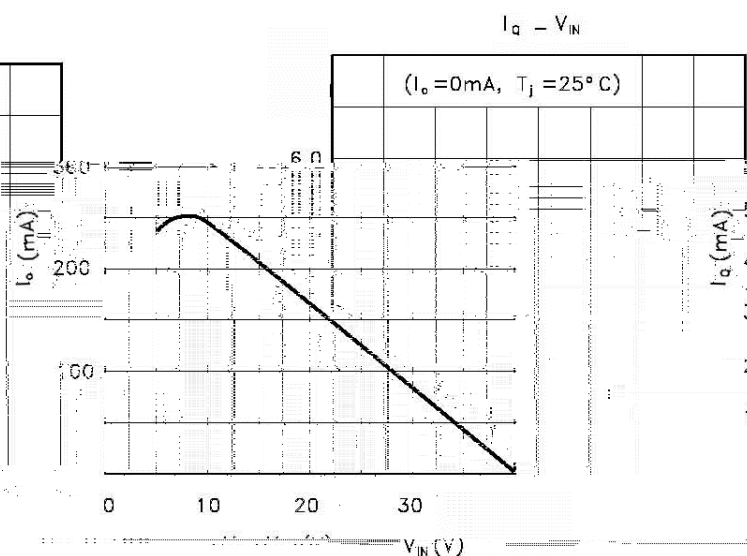
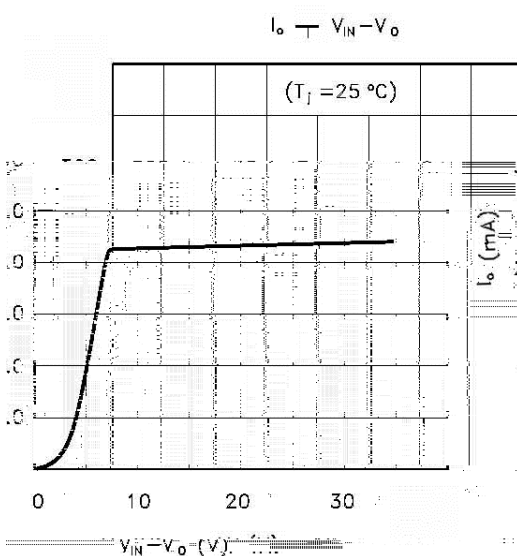
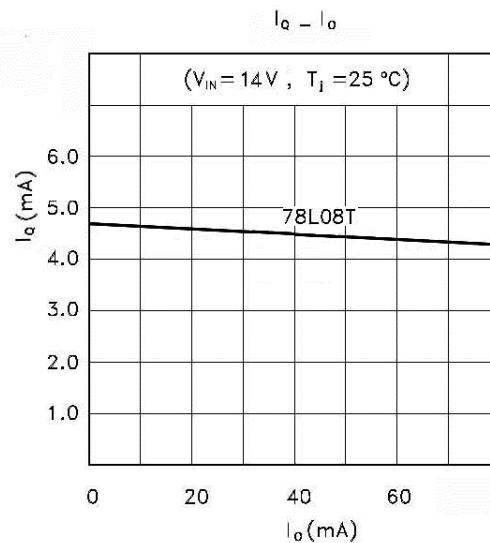
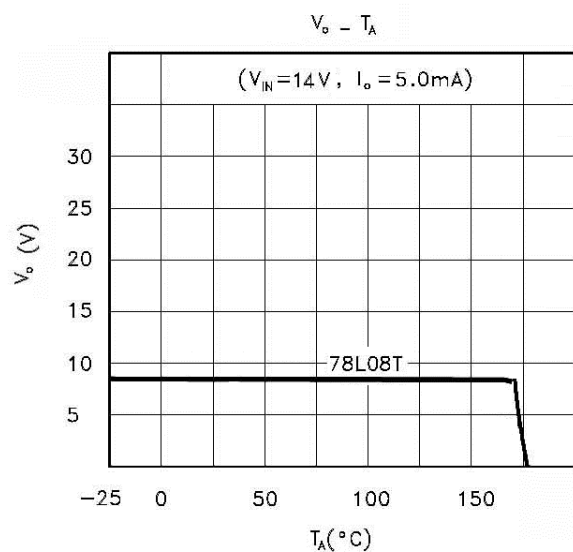
, M V / 9

Marking	HL08 *
---------	--------

@ f Parameter	... Z Symbol	f > 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	

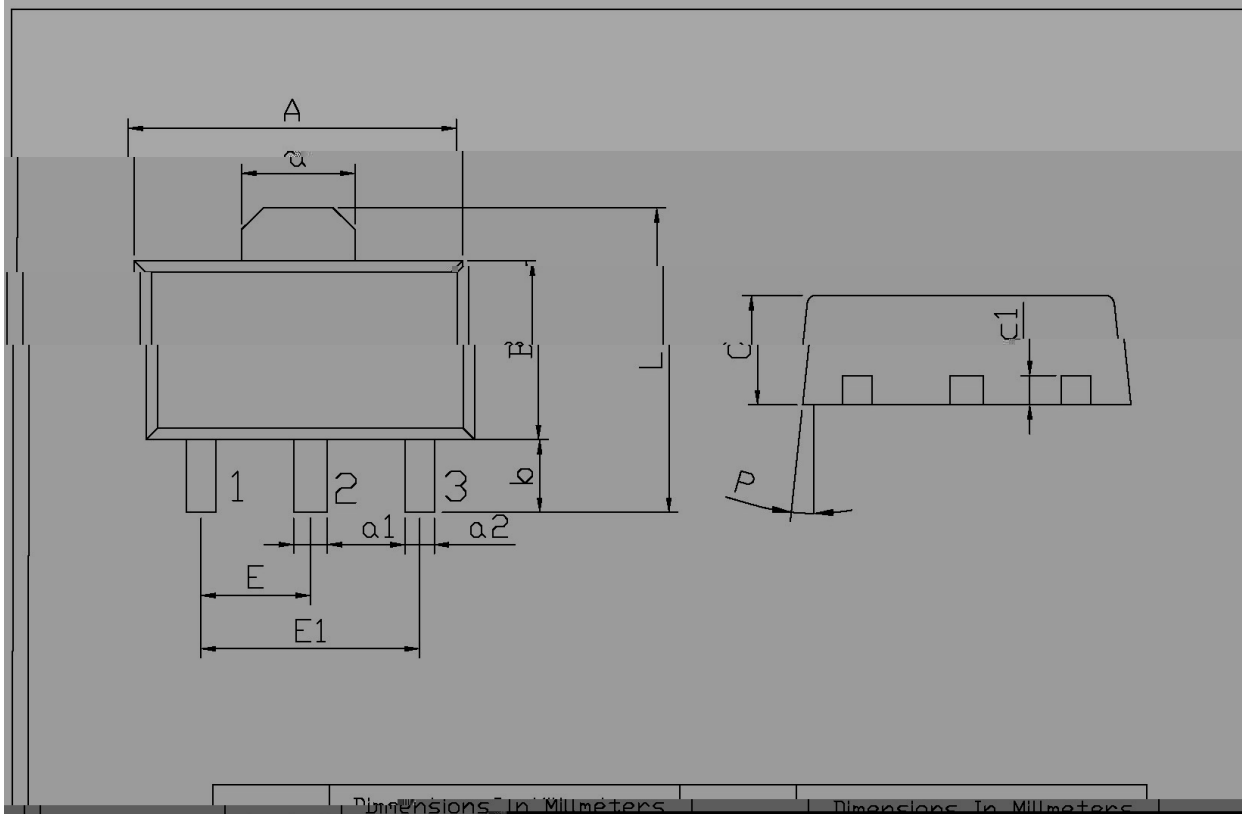
@ f Parameter	... Z Symbol	y j Ú ^ Test Conditions	Â 4 > Min	Á ° > Typ	Â Ý > Max	% y Unit
Output voltage	V _O	I _O =40mA T _J =25	7.7	8.0	8.3	V
		I _O =1mA to 40mA V _I =10.5V to 23V	7.6	8.0	8.4	V
		I _O =1mA to 70mA V _I =14V	7.6	8.0	8.4	V
Input regulation	V _O	V _I =10.5V to 23V T _J =25		42	175	mV
		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
Output noise voltage	V _N	f=10Hz to 100KHz T _J =25		54		V
Dropout voltage	V _D	T _J =25		1.7		V
Bias current	I _Q	T _J =25		4	6	mA
		T _J =125			5.5	mA
Bias current change	I _Q	V _I =11V to 23V			1.5	mA
		I _O =1mA to 40mA			0.1	mA

Electrical Characteristics



SUT-89

单位: 分米



1. 封装 / 引脚

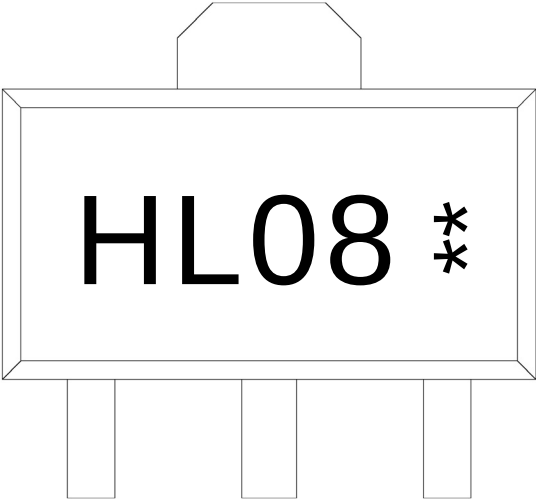
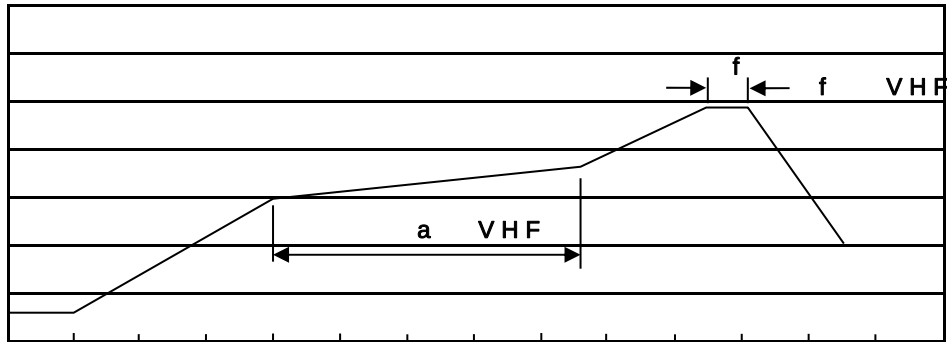


图 1
HL08
图 2
图 3

Note:
H: Company Code
L08: Product Type
**: Lot No. Code, code change with Lot No

šWD t...•Žč (x/) / :KSVKXGZ[XK 6XULORK LUX /8 8KLRU] 9URJKXOTM 6

7HPSHUDWXUH



7LPH VHF

a ç y

- 10• Ä ½ “† 150 ½180 - k ž • 60 ½90sec;
- 20• Q > “† 245 r5 - k ž • 4 Ò 5 r0.5sec;
- 30•D N ò i Ò 0 ,† 2 ½10 - /sec.

Note:

- 1.Preheating:150~180 - , Time:60~90sec.
- 2.Peak Temp.:245 r5 - , Duration:5 r0.5sec.
3. Cooling Speed: 2~10 - /sec.

ÂD /Cã p ¯ »] / 85HCH

“† y 260 r5 - ž • y 10 r1 sec. Temp.:260±5 Time:10±1 sec

G P á / 8C.

2 & x / REEL

Package Type 7>û ~ E	Units ;>û H					Dimension ;>û p . (unit /mm³)		
	Units/Reel /-	Reels/Inner Box -- /-	Units/Inner Box /-	Inner Boxes/Outer Box - /1ç	Units/Outer Box /1ç	Reel	Inner Box	Outer Boxç
SOT-89	1,000	7	7,000	6	42,000	7 s ×12	180×120×180	390×385×205

„Ð y f / ð