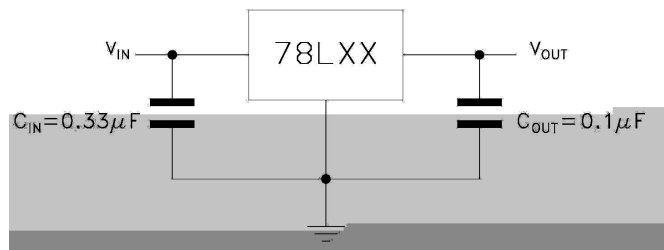


5 Ø / Dp
9 5 : . > // x 9 † o Voltage Regulator in a SOT-89 Plastic Package.

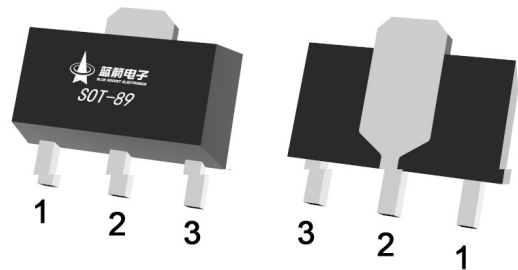
/“ / Fb
I 9 † k ÿß v ä S ’ ~ % y ? Ł òk)í D }o
3-Terminal regulators, output current up to 100 mA, internal thermal overload protection and short-circuit limiting, HF Product.

— ÷ / Ap
9 † o
Voltage Regulator.

^ W] Ô / — Ô / E C t A p C b



Ô æ / B



PIN1 y OUT PIN 2 y GND PIN 3 y IN

, M V / M

Marking	HL08 *
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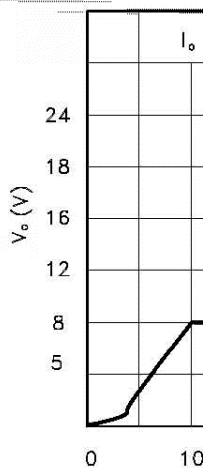
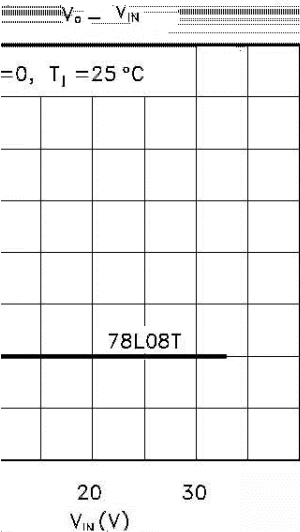
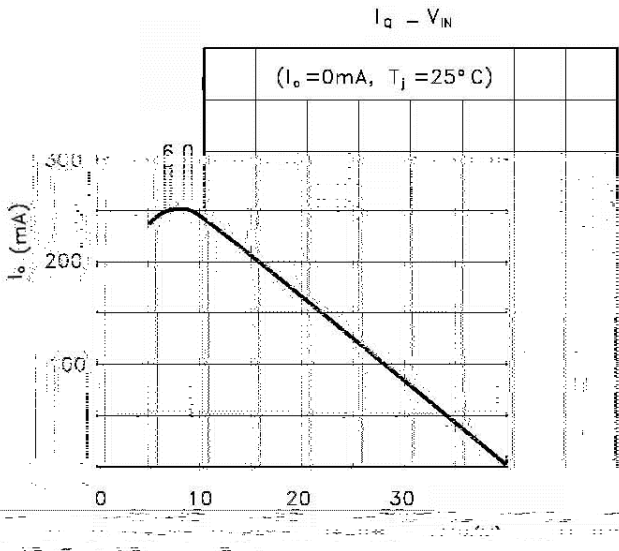
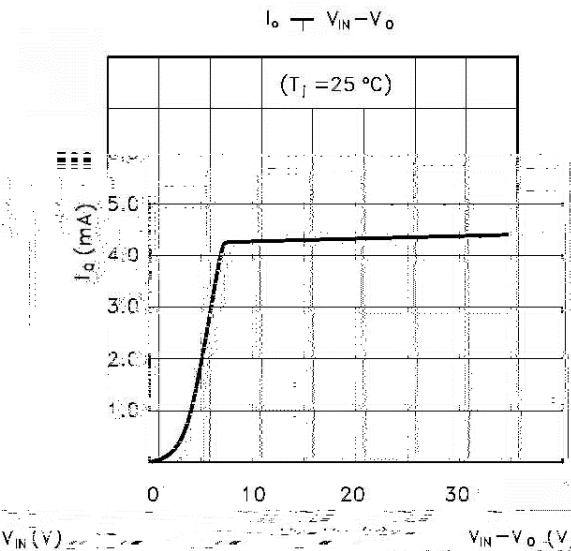
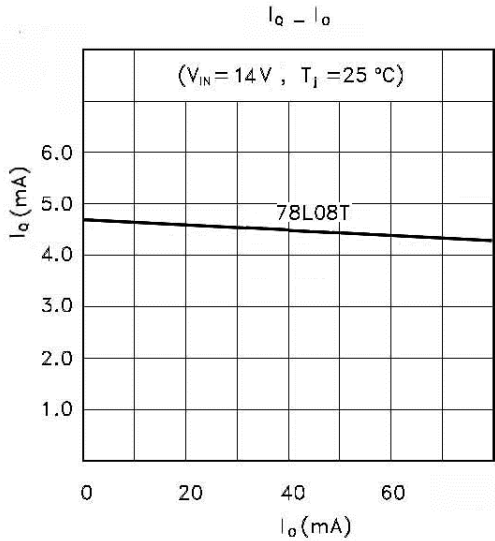
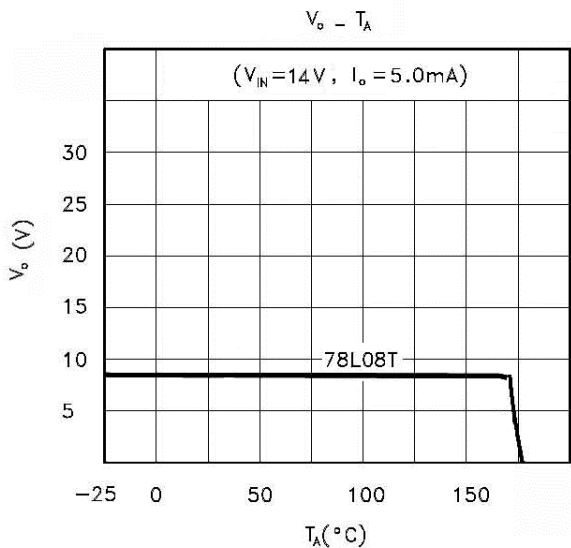
@ Parameter	Z Symbol	Rating	% y Unit
Input voltage	V_I	30	V
Output current	I_O	100	mA
Operating virtual Junction temperature	T_J	0 125	
Power Dissipation	P_D	500	mW
Storage temperature range	T_{stg}	-65 150	

@ Parameter	Z Symbol	y i Ū Test Conditions	4 Min	" Typ	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

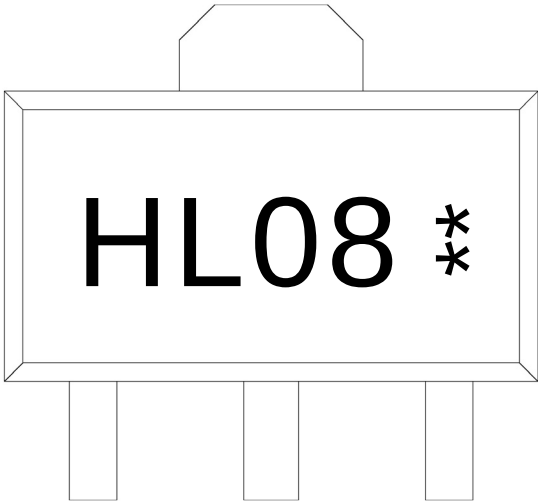
/T6937>Tj /TT46156

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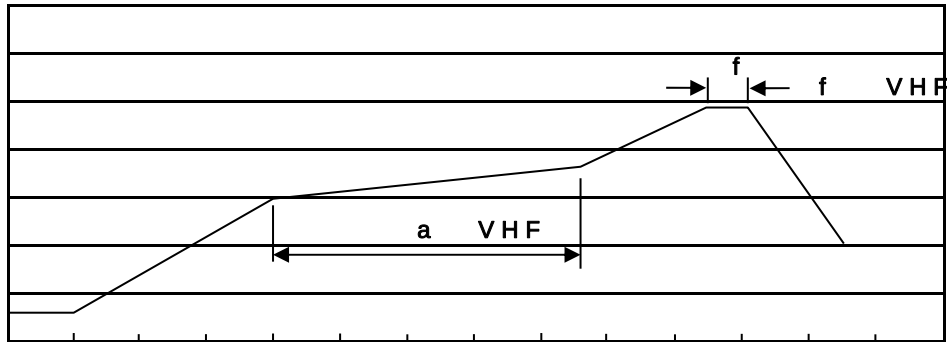
, My / 



“ ¢ y
H y , [W A
L08 y ” Z W A
y ŷD Z W A k ŷD Z J
Note:
H: Company Code
L08: Product Type
**: Lot No. Code, code change with Lot No

WD t (x /) / :KSVKXGZ[XK 6XULORK LUX /8 8KLRU] 9URJKXOTM 6

7HPSHUDWXUH



7LPH VHF

“ y

10 ~ % 150 ~ 180 - k 60 ~ 90sec;

20 Q 245 r5 - k 4 5 r0.5sec;

30 D N òi Ò , 2 %10 - /sec.

Note:

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

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

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

D /C^a p fl »] /

y 260 r5 -

y 10 r1 sec.

Temp.:260±5

Time:10±1 sec

GPÆ /

2 & x / REEL

Package Type 7>ß E	Units ;>ß fH					Dimension ;>ß p . (unit ~ mm ³)		
	1/-	7	7,000	6	42,000	7 s ×12	180×120×180	390×385×205
SOT-89	1,000	7	7,000	6	42,000	7 s ×12	180×120×180	390×385×205

— y /