

5 é / Descriptions

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

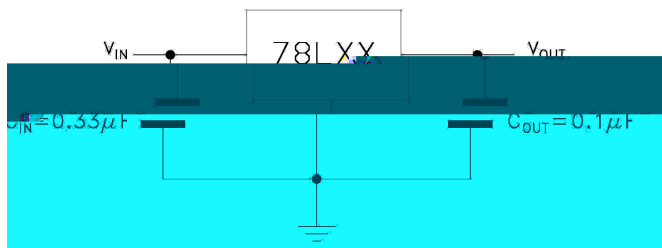
α a / Features

€ 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.

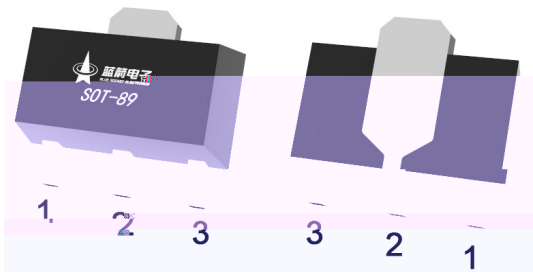
Đ ÷ / Applications

9 ² ... ~ož
Voltage Regulator.

Ã W] Ô · / € Đ Ô · / Equivalent Circuit or Application Circuit



• Ũ - æ / Pinning



PIN1 y OUT PIN 2 y GND PIN 3 y IN

, M V / Marking

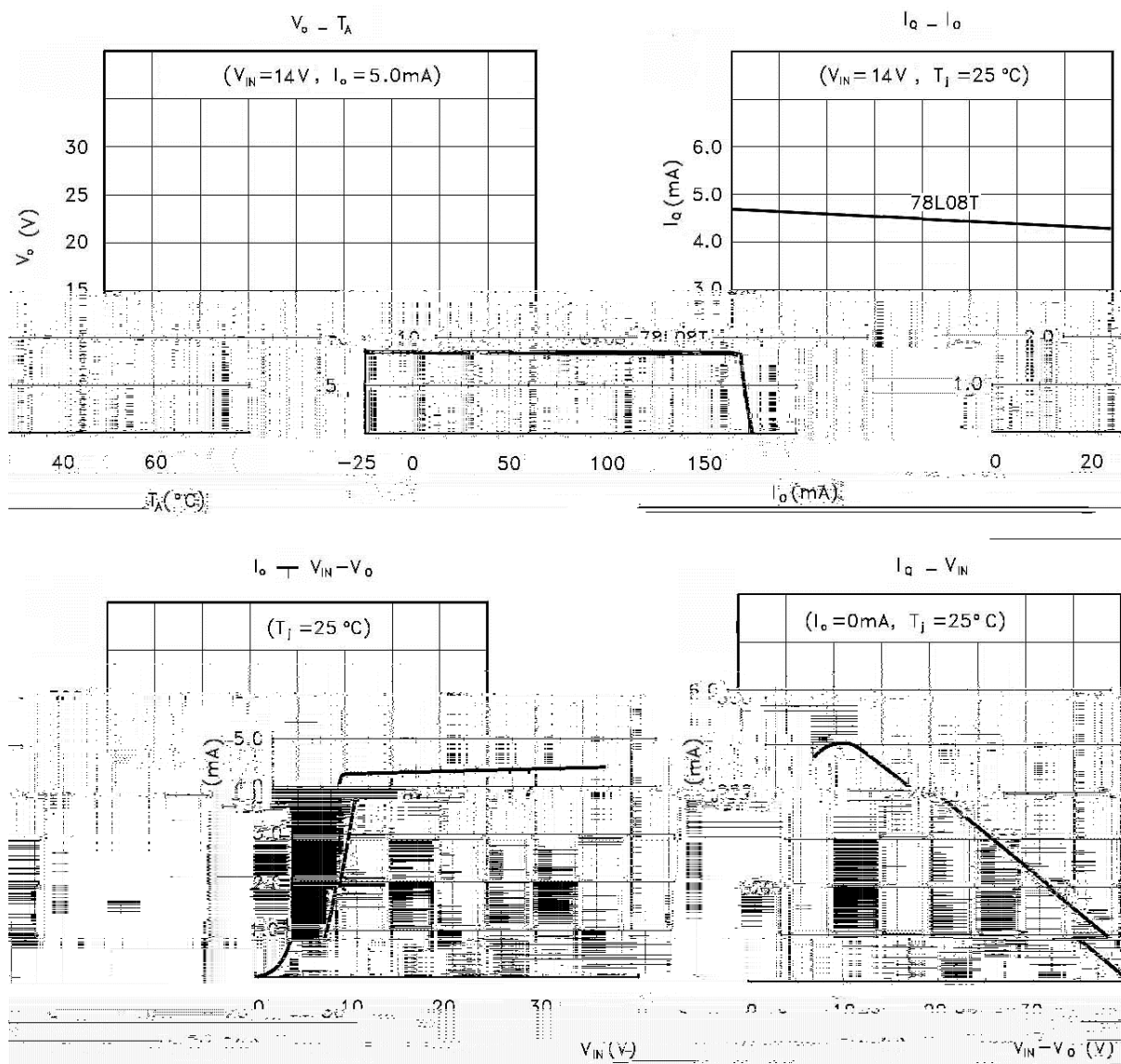
Marking	HL08 *
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@ f Parameter	... Z Symbol	f > Rating	% y Unit
Input voltage	V _I	30	V
Output current	I _O	100	mA
Operating virtual Junction temperature	T _J	0 125	
Power Dissipation	P _D	500	mW
Storage temperature range	T _{stg}	-65 150	

@ 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

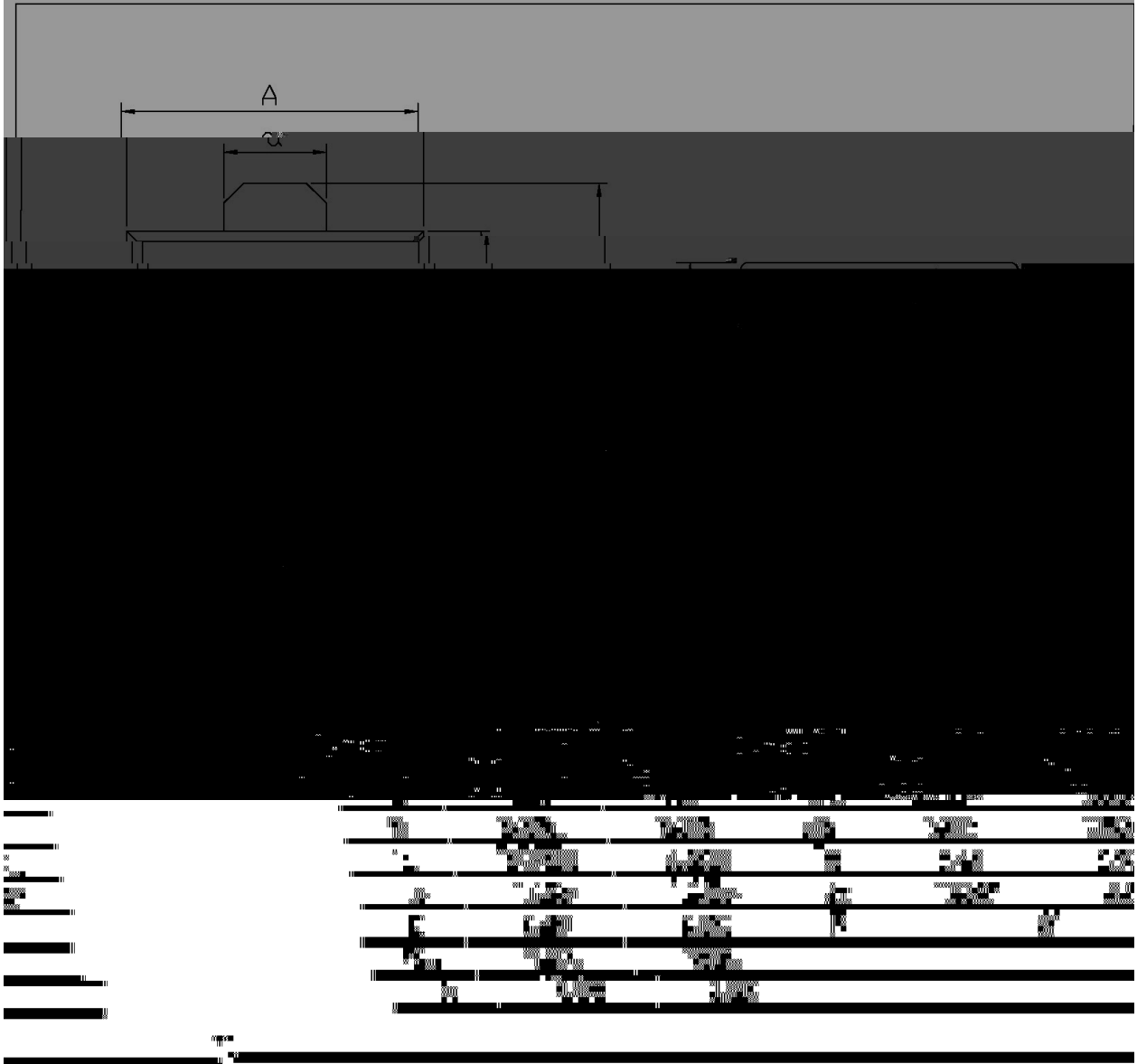
18.42

Electrical Characteristic Curve

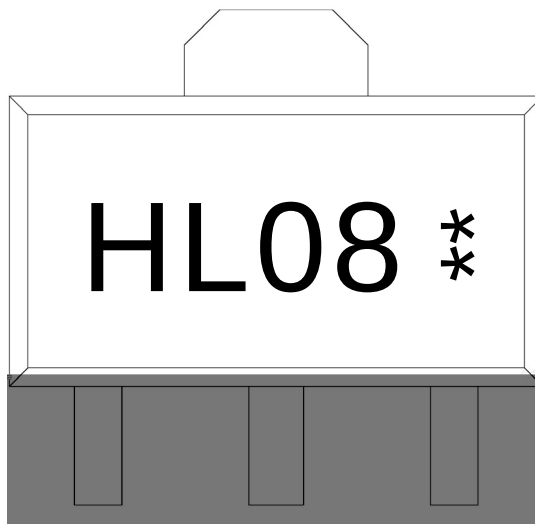


ST-89

单位: mm



, M y f / Marking Instructions



^a ¢ y

H y , [W A

L08 y ° Z W A

y Ÿ D Z W A k š Ÿ D Z J

Note:

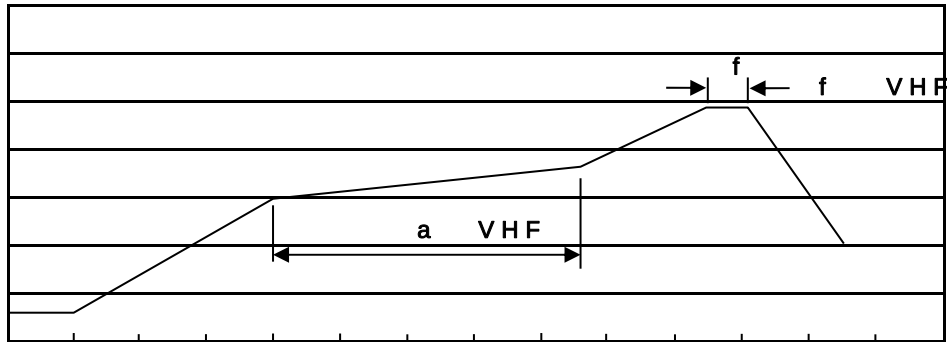
H: Company Code

L08: Product Type

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

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

7HPSHUDWXUH



7LPH VHF

ačy

10•Ä½“† 150½180 - kž• 60½90sec;

20•Q>“† 245 r5 - kž•4 Ò 5 r0.5sec;

30•D Nò i Ò 0 ,† 2½10 - /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 ¯ »] / Resistance to Soldering Heat Test Conditions

“†y 260 r5 -

ž•y 10 r1 sec.

Temp.:260±5

Time:10±1 sec

G P á / Packaging SPEC.

2 & x / REEL

Package Type 7>û ~ E	Units ;>û H					Dimension ;>û p . (unit Åmm³)		
	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

„Đ y f / Notices