

WR0<5 ММ Е 3 я 5 Ω Н Voltage Regulator in a TO-92 Plastic Package.

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

В я з $\tilde{\Omega}_H$
Voltage Regulator.

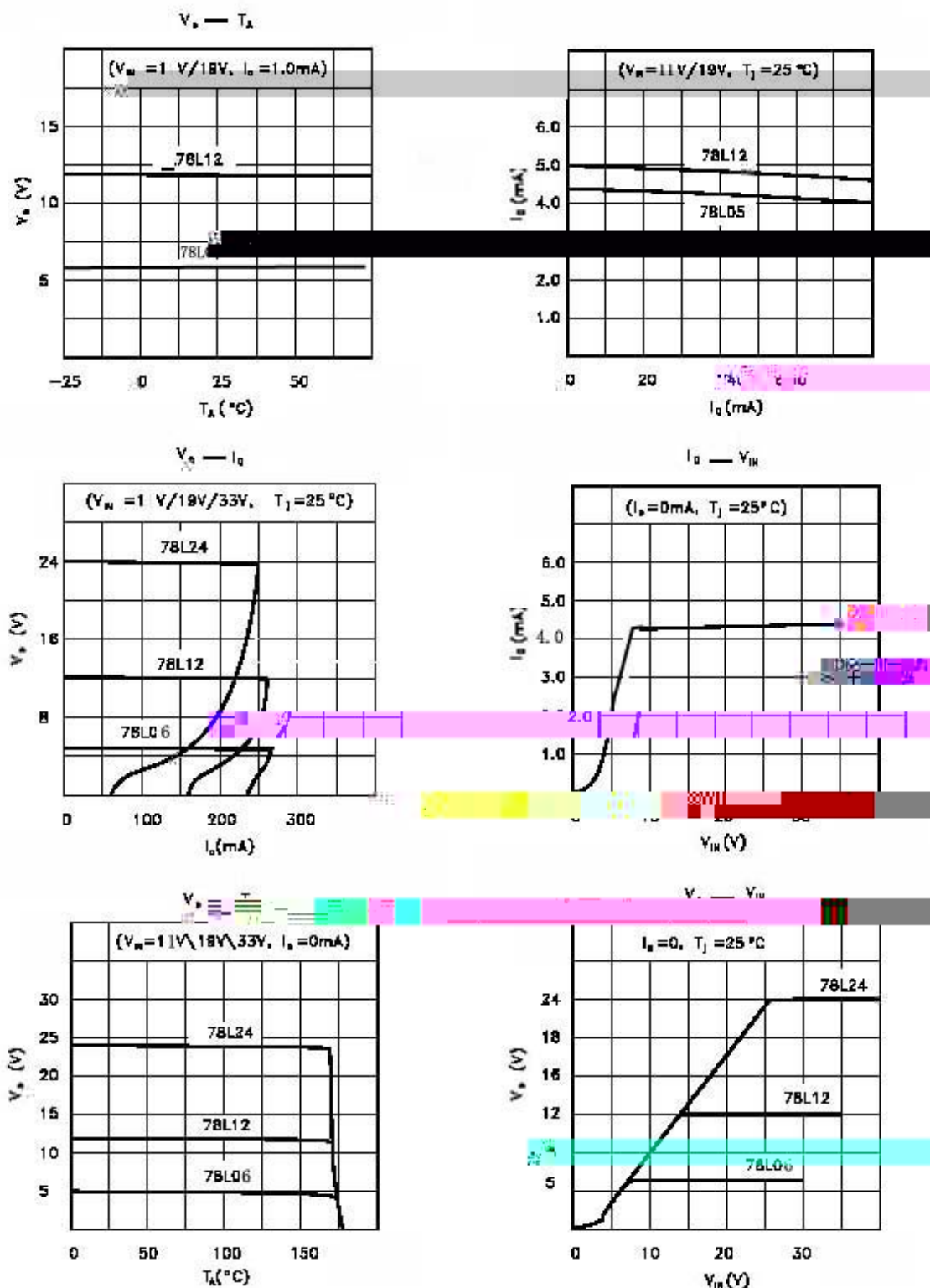
PIN1 χ IN PIN 2 χ GND PIN 3 χ OUT

ﺽ ﻡ ﺎ ﺏ ” See Marking Instructions

Parameter	Symbol	Rating	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	Symbol	Test Conditions	Min	Typ	Max	Unit
Output voltage	V_O	$I_O = 40mA$ $T_J = 25$ $I_O = 1mA$ to $40mA$	5.75	6.0	6.25	V

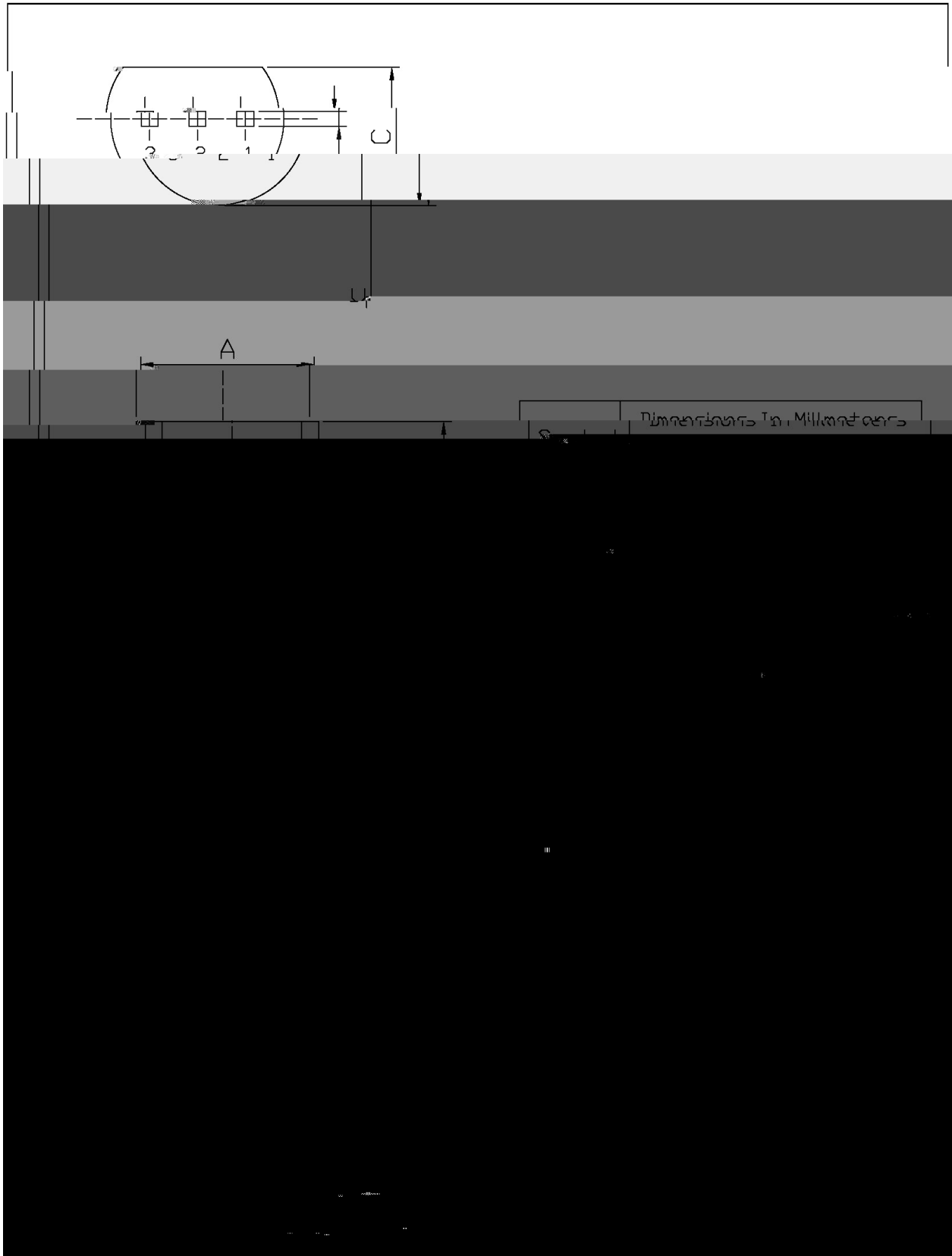
/ Electrical Characteristic Curve



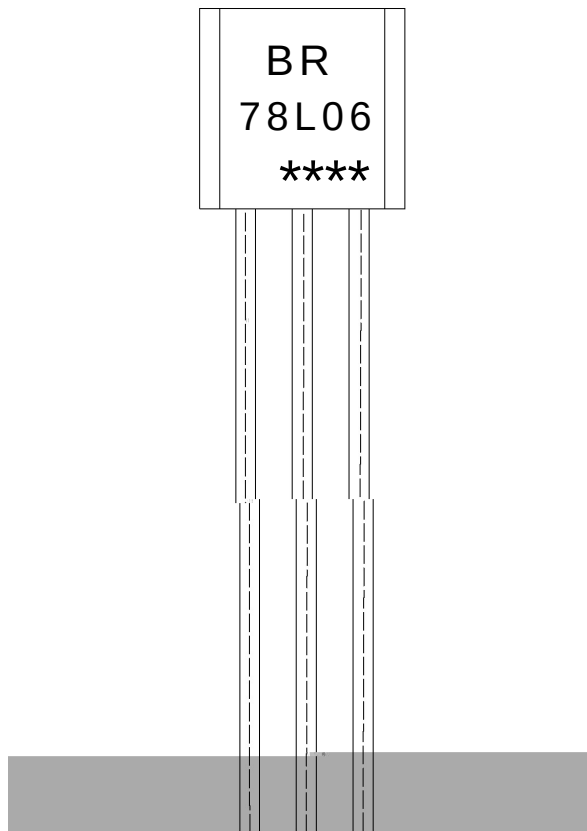
/ Package Dimensions

TO-92

Unit: mm



/ Marking Instructions



Б " X

BR X

78L06 X

---- X

Note:

BR:

78L06:

****:

Б З " П

Б F β З N

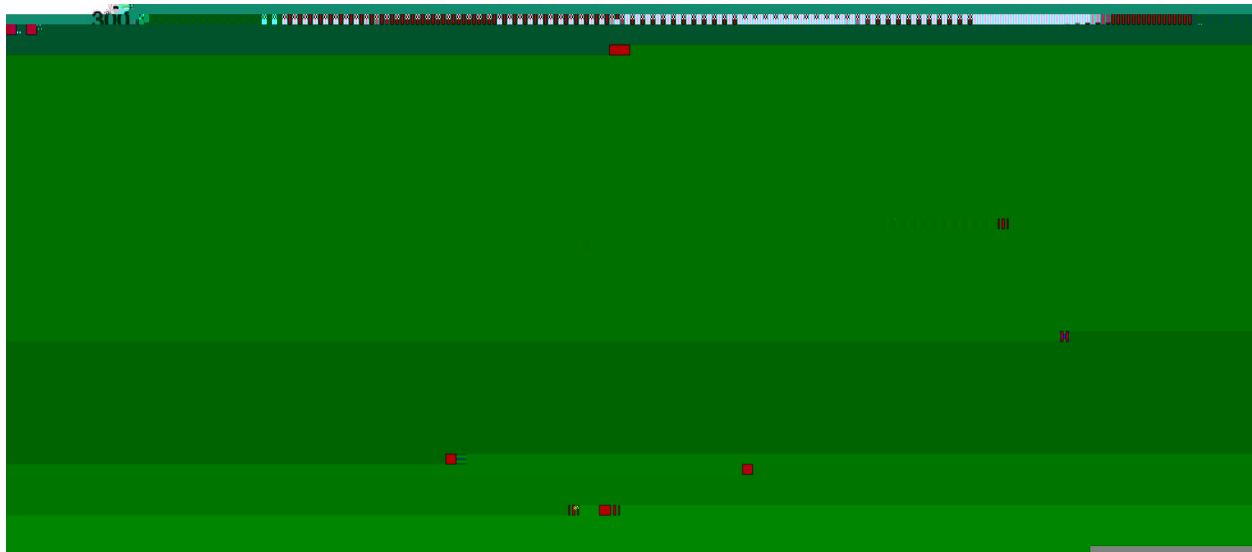
Б 1 F 1 N П 1 4 1 F 1 N Ψ P

Company Code.

Product Type.

Lot No. Code, code change with Lot No.

() / Temperature Profile for Dip Soldering(Pb-Free)



б " χ

1. 1. 25~150 °C, Time: 60~90sec;
2. 2. 255 °C, Duration: 5~0.5sec;
3. 3. Cooling Speed: 2~10 °C/sec.

Note:

1. Preheating: 25~150 °C, Time: 60~90sec.
2. Peak Temp.: 255 °C, Duration: 5~0.5sec.
3. Cooling Speed: 2~10 °C/sec.

/ Resistance to Soldering Heat Test Conditions

□ °C 270 ± 5

°C 10 ± 1 sec.

Temp: 270 ± 5

Time: 10 ± 1 sec

/ Packaging SPEC.

°C 10 ± 1 sec / BULK

Package Type	Units					Dimension (unit mm3)		
	Units/Bag /	Bags/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Bag	Inner Box	Outer Box
TO-92	1,000	10	10,000	5	50,000	135×190	237×172×102	560×245×195
	1,000	10	10,000	10	100,000	135×190	237×172×102	560×245×375

°C 10 ± 1 sec / AMMO

Package Type	Units					Dimension (unit mm3)	
	Units/tape /	Tape/Inner Box /	Rows/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Inner Box	Outer Box
TO-92	3,000	1	120	10	30,000	328×230×42	480×346×235 547×407×268

/ Notices