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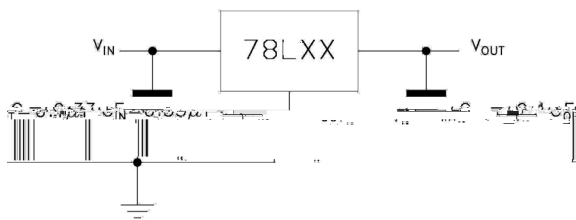
WR0<5

Voltage Regulator in a TO-92 Plastic Package.

433 p D/

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

Voltage Regulator.



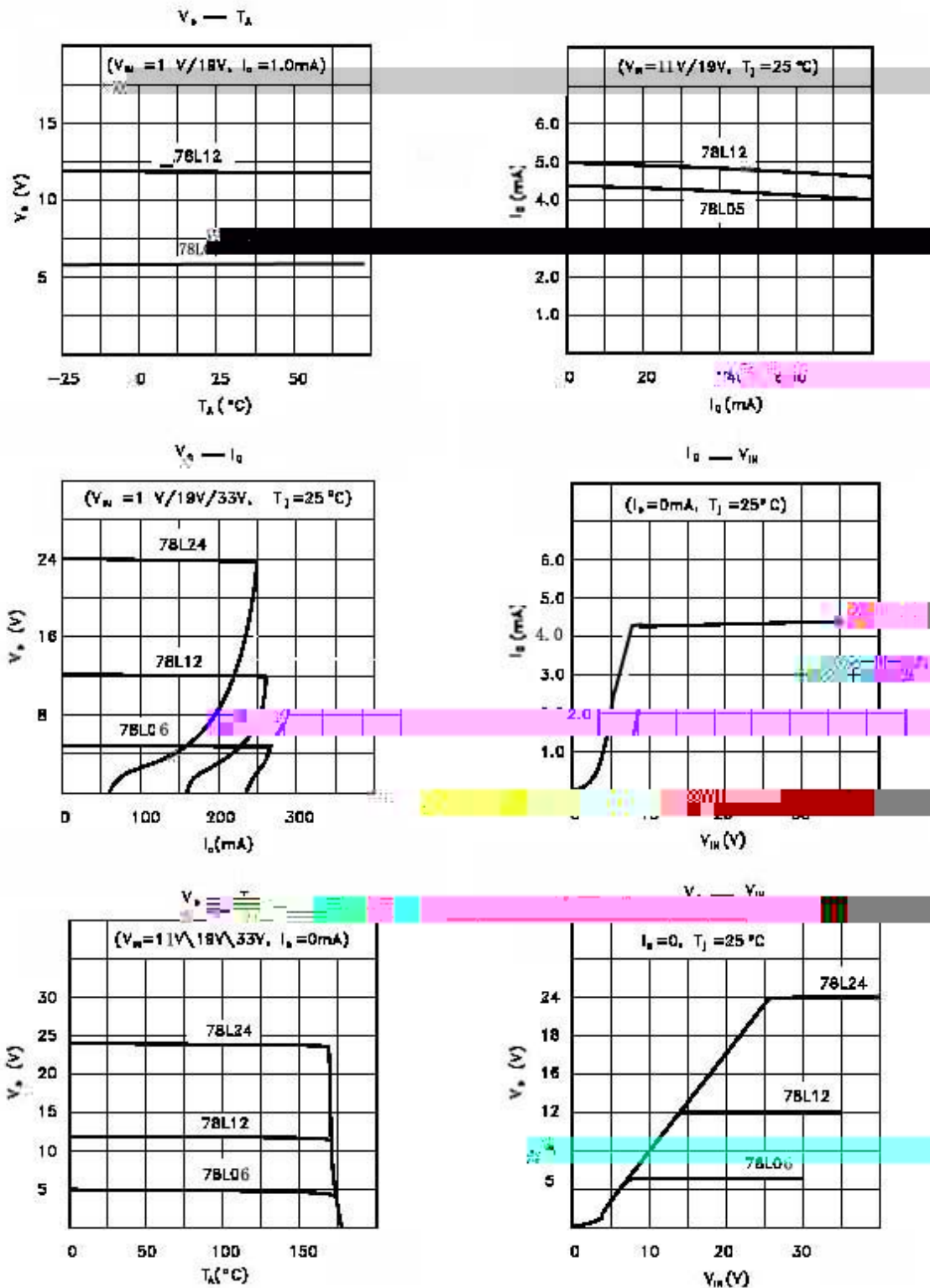
PIN1 IN      PIN 2 GND      PIN 3 OUT

See Marking Instructions

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| 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 |      |

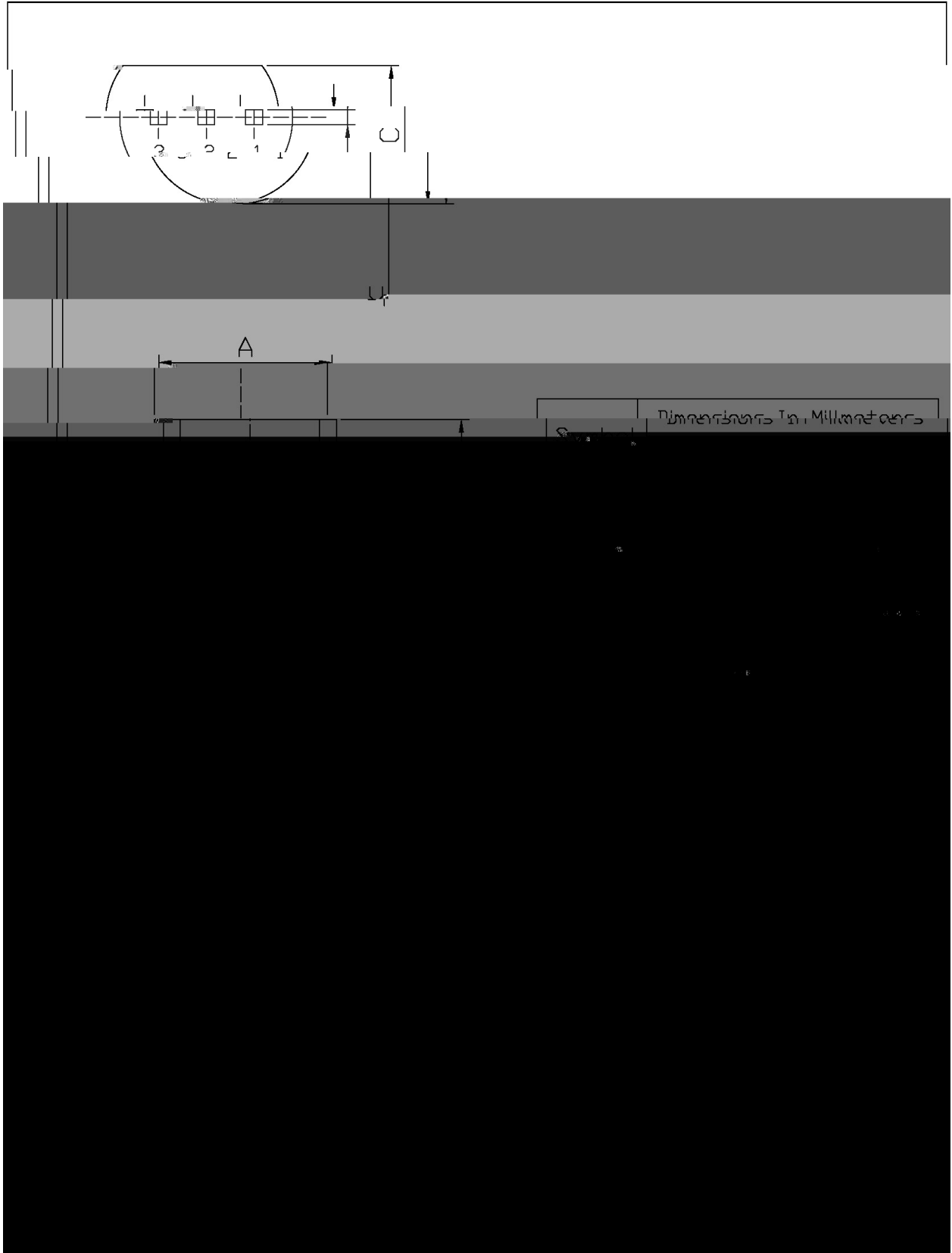
| Parameter      | Symbol | Test Conditions                                  | Min  | Typ | Max  | Unit |
|----------------|--------|--------------------------------------------------|------|-----|------|------|
| Output voltage | $V_O$  | $I_O = 40mA$ $T_J = 25$<br>$I_O = 1mA$ to $40mA$ | 5.75 | 6.0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

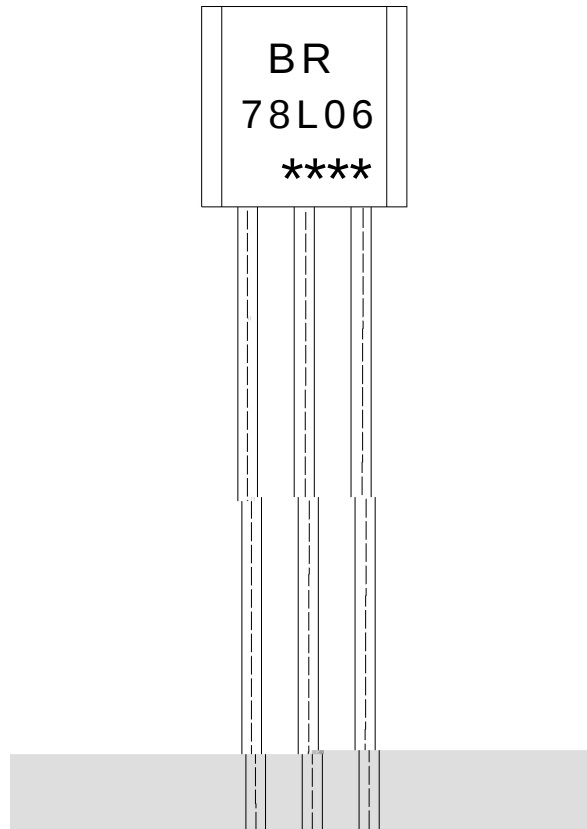


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T0-92

Unit: mm





BR

78L06

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Note:

BR: Company Code.

78L06: Product Type.

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

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Note:

- |   |     |      |    |          |                                           |
|---|-----|------|----|----------|-------------------------------------------|
| 1 | 25  | 150% | 60 | 90sec;   | 1.Preheating:25~150%, Time:60~90sec.      |
| 2 | 255 | ±5%  | 5  | ±0.5sec; | 2.Peak Temp.:255 ±5%, Duration:5 ±0.5sec. |
| 3 |     |      | 2  | 10%/sec. | 3. Cooling Speed: 2~10%/sec.              |

 $270 \pm 5\%$ 
 $10 \pm 1 \text{ sec.}$ 

Temp:270±5

Time:10±1 sec

/ BULK

| Package Type | Units          |                     |                      |                            |                      | Dimension (unit mm3) |             |             |
|--------------|----------------|---------------------|----------------------|----------------------------|----------------------|----------------------|-------------|-------------|
|              | Units/Bag<br>/ | Bags/Inner Box<br>/ | Units/Inner Box<br>/ | Inner Boxes/Outer Box<br>/ | Units/Outer Box<br>/ | 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 |

/ AMMO

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