

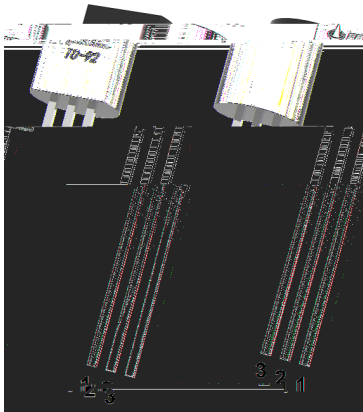
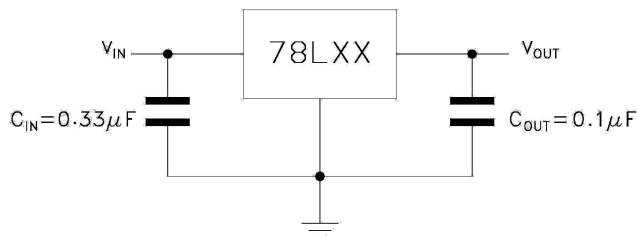
TO-92

Voltage Regulator in a TO-92 Plastic Package.

100mA,

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

Voltage Regulator.

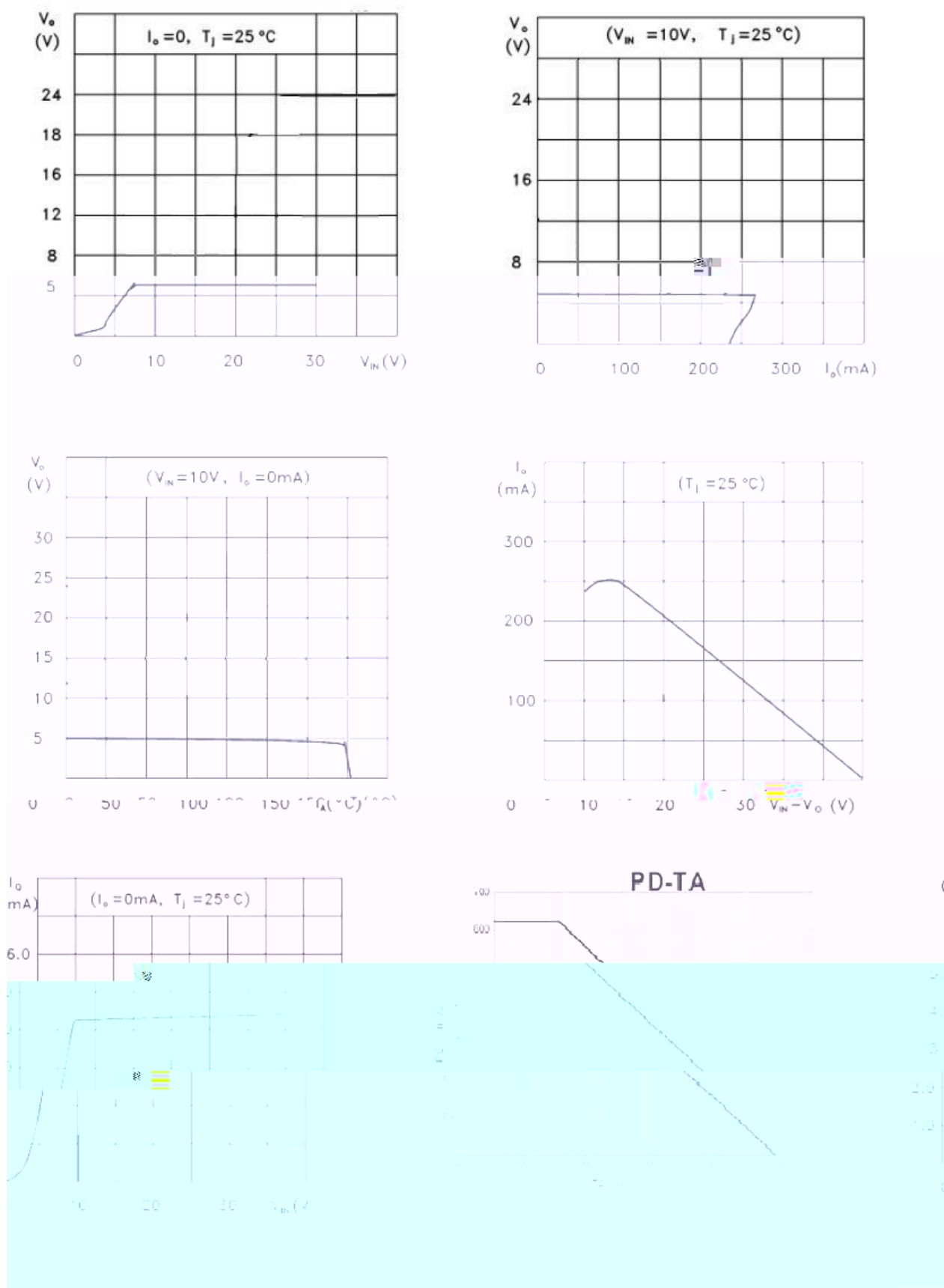


PIN1 IN PIN 2 GND PIN 3 OUT

See Marking Instructions.

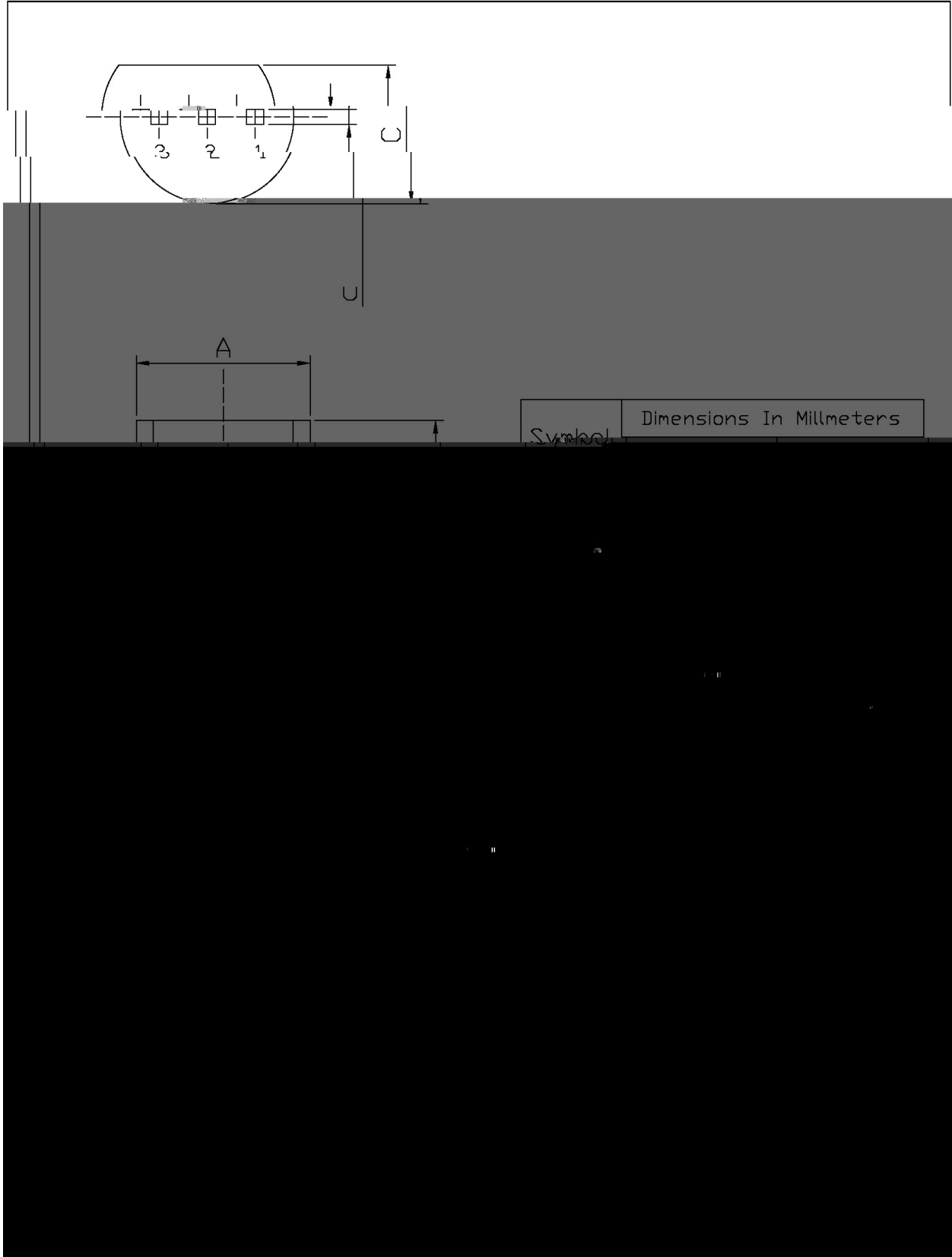
Parameter	Symbol	Rating	Unit
Input voltage	V_I	35	V
Output current	I_O	100	mA
Operating Temperature Range	T_{OPR}	-40 125	
Power Dissipation	P_D	500	mW
Storage temperature range	T_{stg}	-65 150	

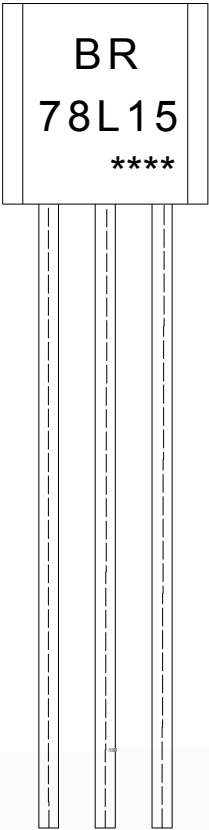
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Output voltage	V_O	$I_O = 40mA$ $T_J = 25$	14.4	15	15.6	V
		$I_O = 1mA$ to 40mA $V_I = 17.5V$ to 30V	14.25		15.75	V
		$I_O = 1mA$ to 70mA $V_I = 23V$	14.25		15.75	V
Input regulation	V_O	$V_I = 17.5V$ $T_J = 25$			300	mV
		$V_I = 20V$ $T_J = 25$			250	mV
Ripple rejection	RR	$V_I = 18.5V$ to 28.5V $T_J = 25$ $f = 120Hz$	34	39		dB
Output regulation	V_O	$I_O = 1mA$ to 100mA $T_J = 25$			150	mV
		$I_O = 1mA$ to 40mA $T_J = 25$			75	mV
Output noise voltage	V_N	$f = 10Hz$ to 100KHz $T_J = 25$		90		V
Dropout voltage	V_D	$T_J = 25$		1.7		V
Bias current	I_Q	$T_J = 25$			6.5	mA
		$T_J = 125$			6	mA
Bias current change	I_Q	$V_I = 20V$ to 30V			1.5	mA
		$I_O = 1mA$ to 40mA			0.1	mA



T0-92

Unit: mm





BR

78L15

Note:

BR:

78L15:

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Company Code

Product Type

Lot No. Code, code change with Lot No

				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±5	10±1 sec.	Temp.:270±5℃	Time:10±1 sec
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/ BULK

Package Type	Units					Dimension		(unit mm3)
	Units/Bag /	Bags/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Bag	Inner Boxes	