/ Descriptions

TO-263 Voltage Regulator in a TO-263 Plastic Package.

/ Features

1.5A, 1.2 37V

3-Terminal regulators ,output current in excess of 1.5 A, output voltage adjustable over a 1.2-37V.

/ Applications

Voltage Regulator.

/ Equivalent Circuit or Application Circuit



/ Pinning



PIN1 ADJ PIN 2 4 OUT PIN 3 IN

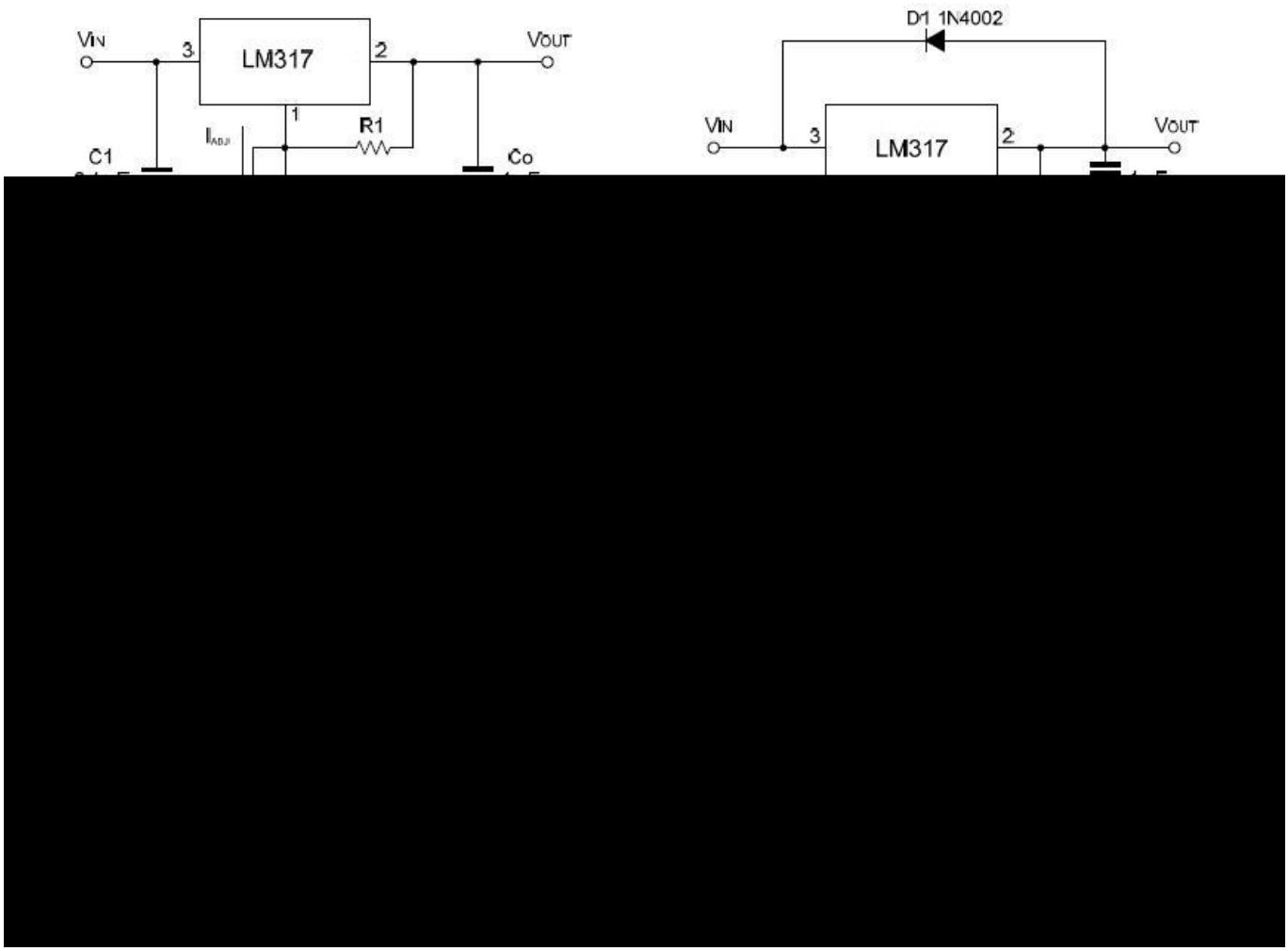
/ Marking

See marking instructions.

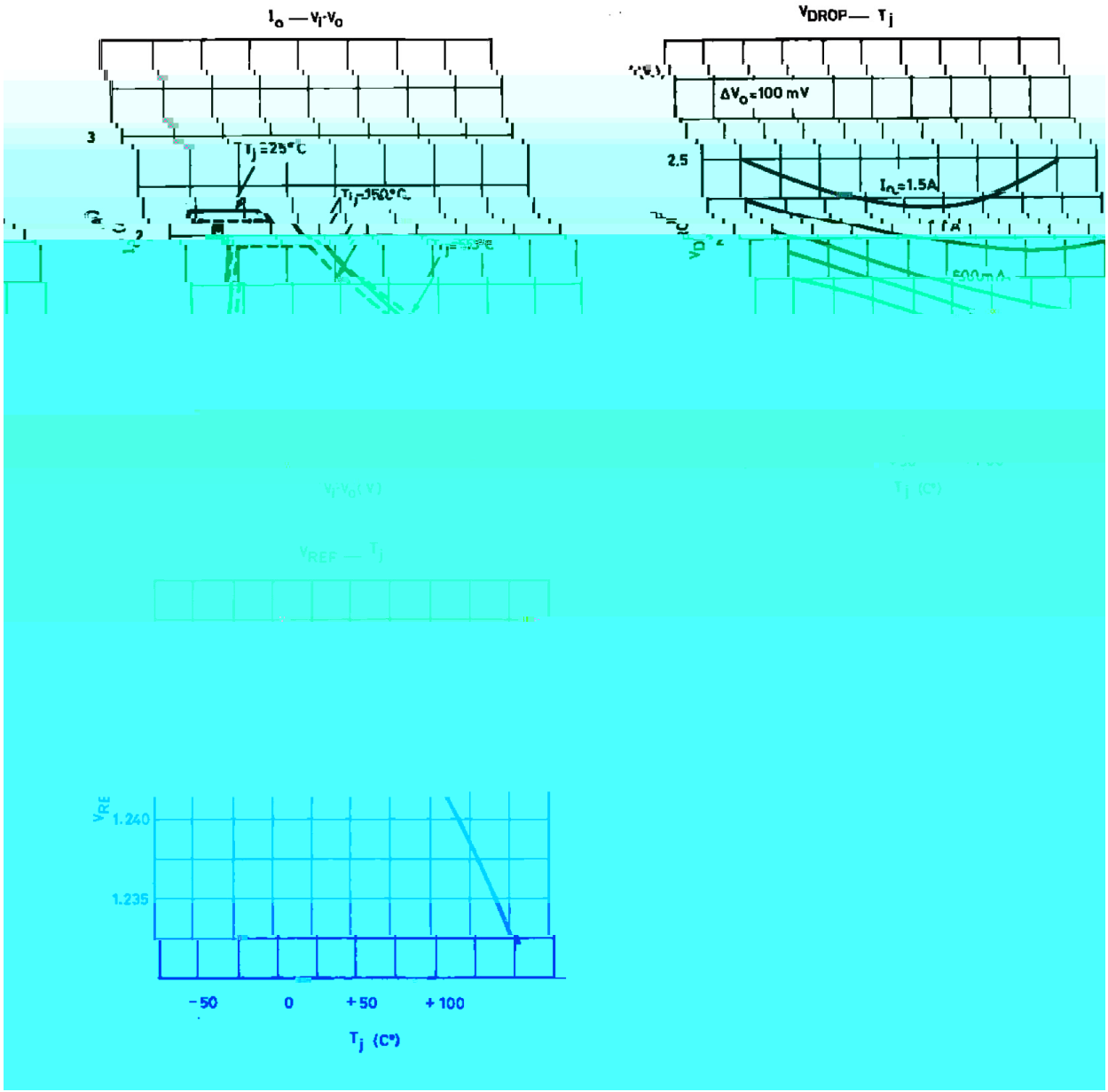
Parameter	Symbol	Rating	Unit
Input voltage	V_{i-o}	40	V
Output current	I_O	Internally Limited	
Operating virtual Junction temperature	T_J	0 125	
Power Dissipation	P_{tot}	Internally Limited	
Storage temperature range	T_{stg}	-55 150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Output voltage	V_O	T_j=25		0.01	0.04	%/V
		I_O=5mA to 1A V_I=-20V to -7V		0.02	0.07	%/V
		V_o≤5V T_j=25 I_o Io				
Load Regulation	Vo					

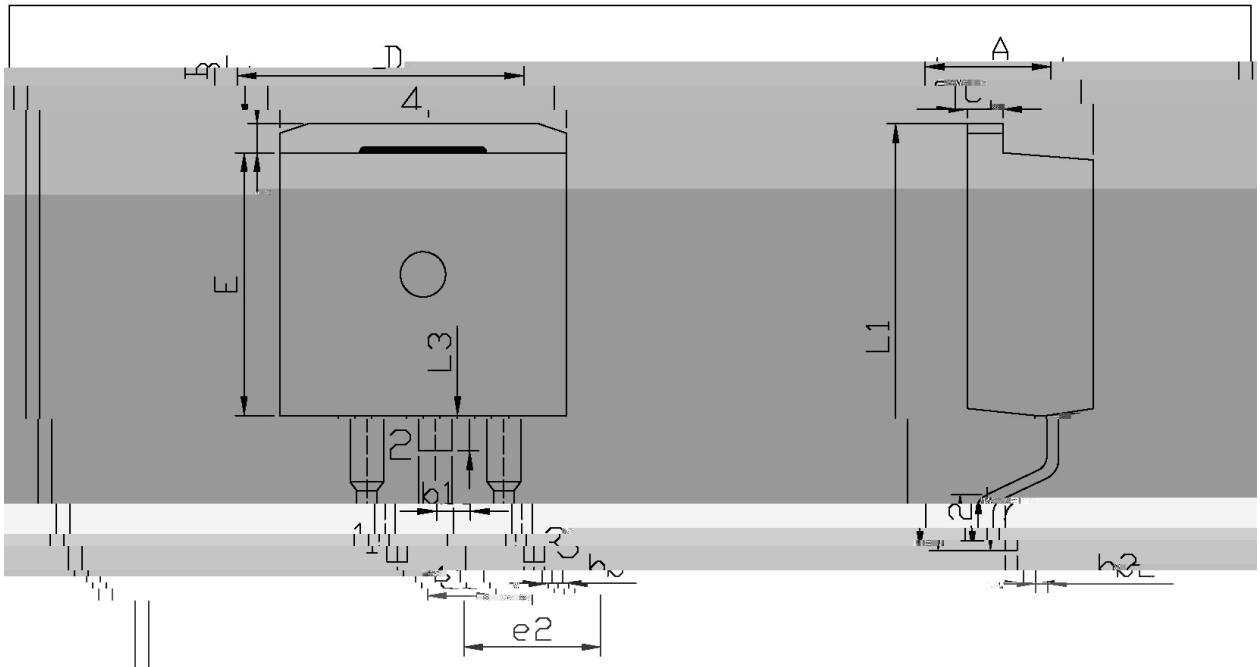
/ Equivalent Circuit



/ Electrical Characteristic Curve



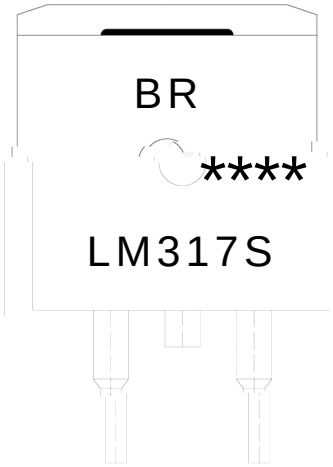
/ Package Dimensions



单位：mm

Dimensions In Millimeters		Dimensions In Millimeters			
Symbol	Min	Max	Symbol	Min	Max
A	4.30	4.70	E	9.00	9.40
B	1.00	1.40	e1	2.34	2.74

/ Marking Instructions



BR

LM317S

****

Note:

BR:	Company Code.
LM317S:	Product Type.
****:	Lot No. Code, code change with Lot No.