

TO-252

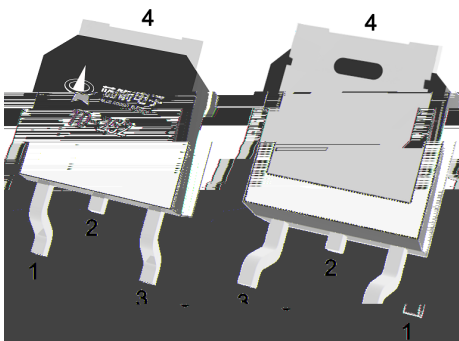
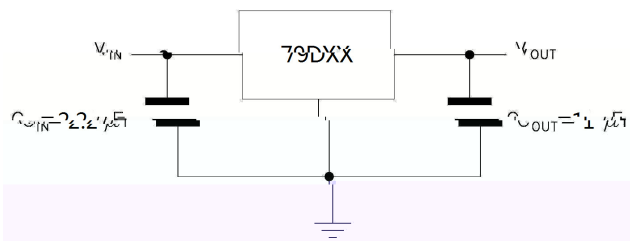
Voltage Regulator in a TO-252 Plastic Package.

1.5A,

AEC-Q100

3-Terminal regulators ,output current up to 1.5A, internal thermal overload protection and short-circuit limiting, Qualified to AEC-Q100 Standards for High Reliability, HF Product.

Voltage Regulator, Meet the stringent requirements of automotive applications.



PIN1 GND

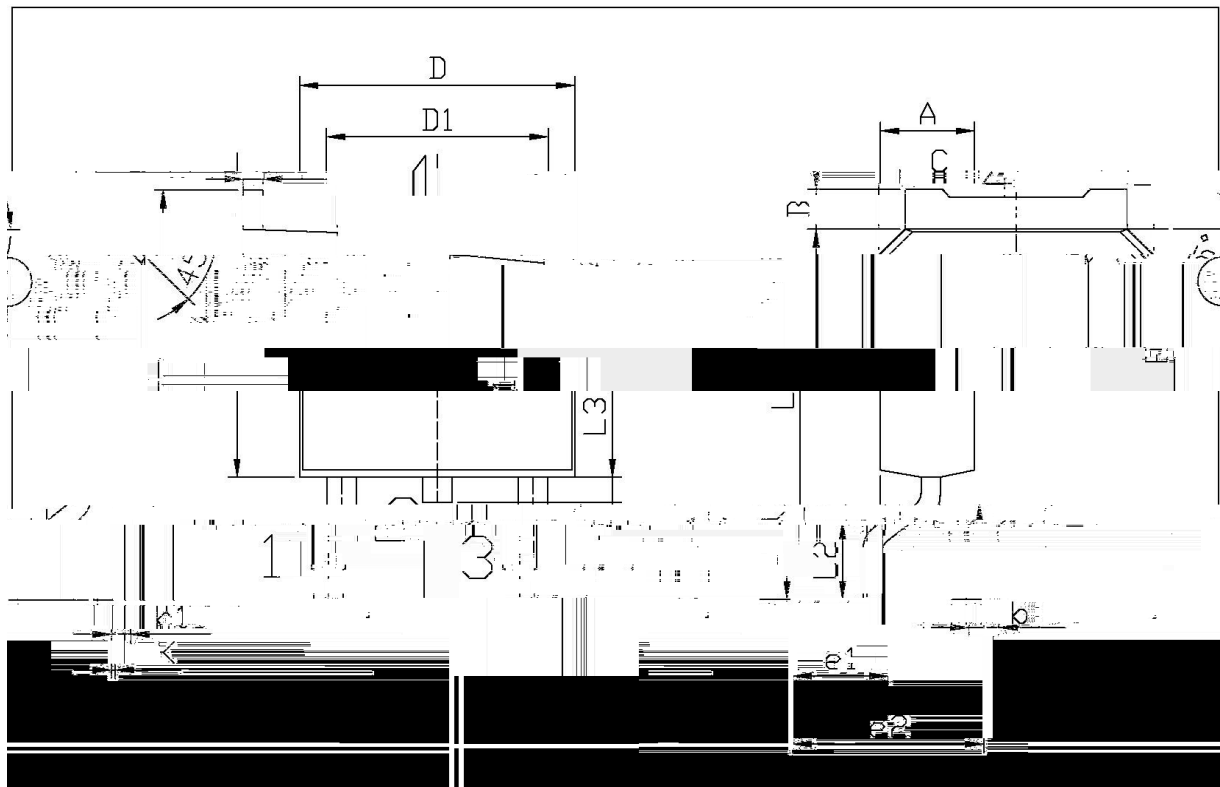
PIN 2 4 IN

PIN 3 OUT

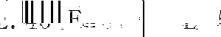
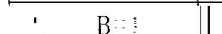
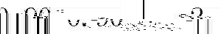
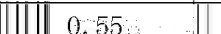
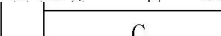
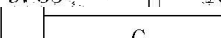
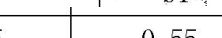
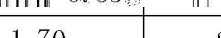
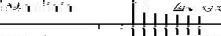
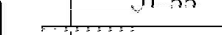
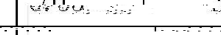
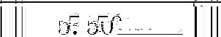
See Marking Instructions.

Parameter	Symbol	Rating	Unit
Input voltage	V_I	-35	V
Thermal Resistance Junction-Ambient	R_{JA}	105	/W
Thermal Resistance Junction-Case	R_{JC}	10	/W
Operating Junction Temperature Range	T_{OPR}	-40 125	
Storage temperature range	T_{stg}	-65 150	

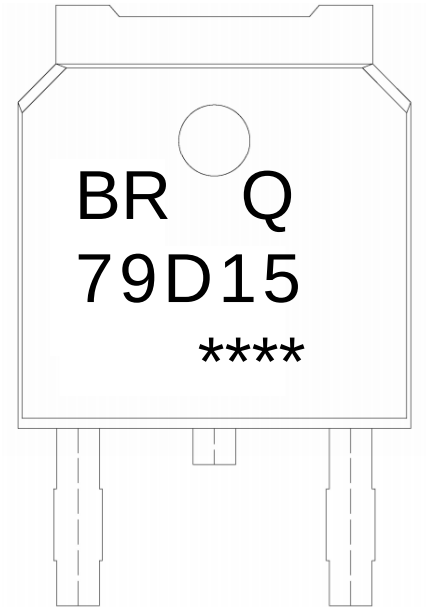
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Output voltage	V_O	$T_J=25$	-14.4	-15.0	-15.6	V
		$I_O=5mA \sim 1A$ P_O 15W $V_I=-17V \sim -30V$	-14.25	-15.0	-15.75	V
Load Regulation	V_O	$T_J=25$ $I_O=5.0mA \sim 1.5A$			300	mV
		$T_J=25$ $I_O=250mA \sim 750mA$			150	mV
Line regulation	V_O	$T_J=25$ $V_I=-17.5V \sim -30V$			300	mV
		$T_J=25$ $V_I=-20V \sim -26V$			150	mV
Quiescent Current	I_q	$T_J=25$			6.0	mA
Quiescent Current Change	I_q	$V_I=-17.5V \sim -30V$			1.0	mA
		$I_O=5mA \sim 1A$			0.5	mA
Output Voltage Drift	V_O / T	$I_O=5mA$		1.5		mV/
Output Noise Voltage	V_N	$B=10Hz \sim 100KHz$ $T_J=25$		250		V
Supply Voltage Rejection	SVR	$V_I=10V$ $f=120Hz$	54			dB
Dropout Voltage	V_d	$I_O=1A$ $T_J=25$		2.0		V
Short Circuit Current	I_{sc}	$V_I=-35V$ $T_J=25$		10		mA
Short Circuit Peak Current	I_{scp}	$T_J=25$		2.1		A



单位: mm

Symbol		Dimensions In Millimeters		Symbol		Dimensions In Millimeters	
		Min	Max			Min	Max
	6.25		2.20		2.40		5.95
	2.34		0.95		1.25		2.24
	4.73		0.70		0.60		4.13
	9.85		5.11		0.45		0.55
	10.35		0.55		1.20		2.00
	6.90		6.45		6.75		1.30
	5.50		0.16		5.10		5.10

T0-252



BR

Q

79D15

Note:

- | | |
|--------|---------------------------------------|
| BR: | Company Code |
| Q: | Automobile halogen-free product Code |
| 79D15: | Product Type |
| ****: | Lot No. Code, code change with Lot No |

Note:

- 1

150 200

60 120sec;

1.Preheating:150~200 , Time:60~120sec.
- 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.

260±5

10±1 sec.

Temp.:260±5

Time:10±1 sec

/ REEL

Package Type	Units					Dimension (unit mm ³)		
	Units/Reel	Reels/Inner Box	Units/Inner Box	Inner Boxes/Outer Box	Units/Outer Box	Reel	Inner Box	Outer Box
TO-252	2,e30,18	3598	3598n88	Tw13Tj/TT139	Tf1.00	942TD.0019	Tc(mm)Tj73w[	)