

TO-252
Voltage Regulator in a TO-252 Plastic Package.

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.

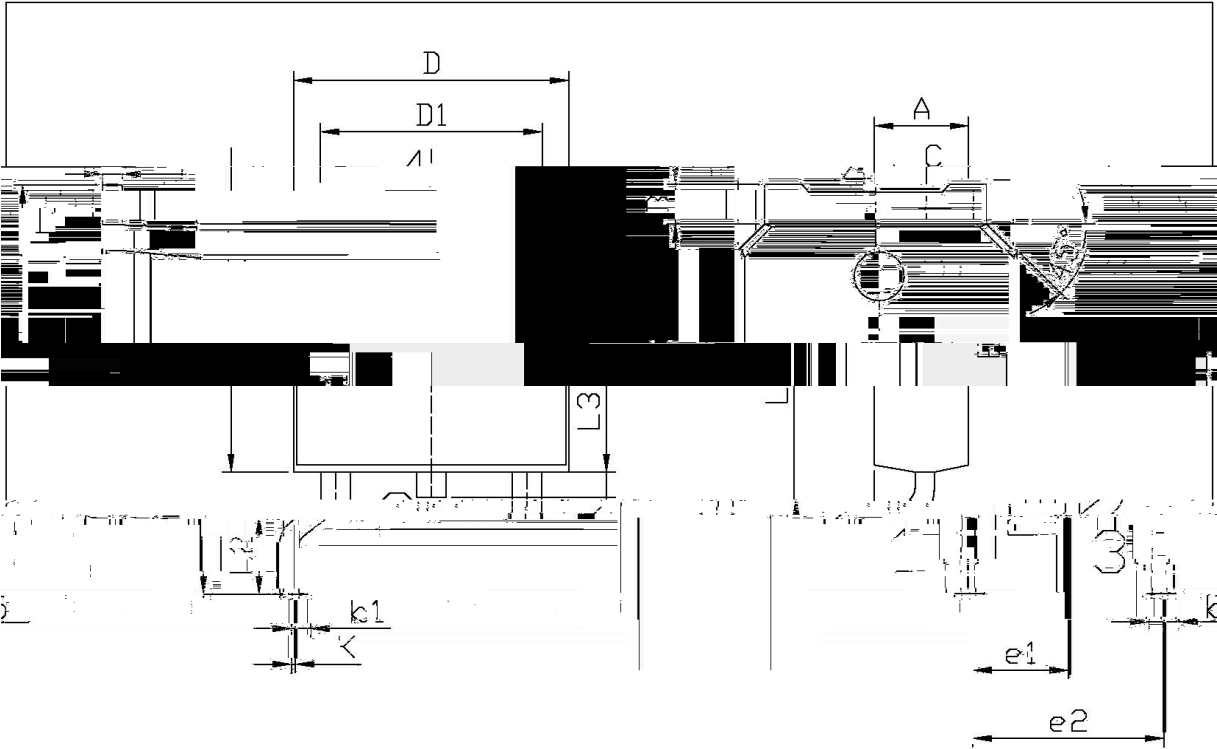
Voltage Regulator, Meet the stringent requirements of automotive applications.

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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	$T_j=25$	-11.5	-12.0	-12.5	V
		$I_o=5mA\sim 1A$ P_o 15W $V_i=-14V\sim -27V$	-11.4	-12.0	-12.6	V

/ Package Dimensions



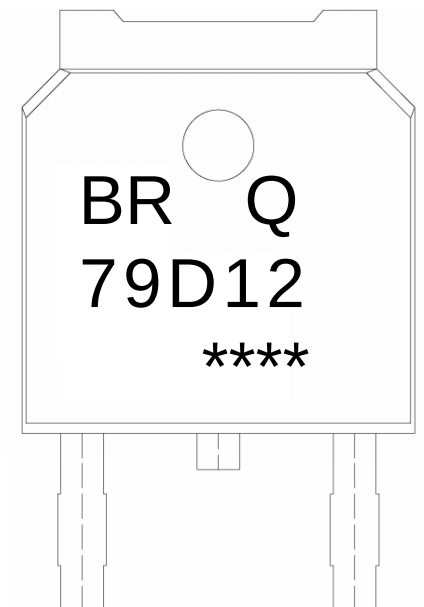
单位: mm

Dimensions In Millimeters			Dimensions In Millimeters		
Symbol	Min	Max	Symbol	Min	Max
5.95	5.70	6.20	A	2.20	2.40
0.95	0.75	1.25	e1	2.24	2.34
0.70	0.40	0.90	e2	4.40	4.72
b1	0.45	0.55	L1	9.85	10.35
C	0.45	0.55	L2	1.70	2.00
0.60	0.40	0.90	D	6.45	6.75
0.00	0.00	0.10	D1	5.10	5.50

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T0-25

/ Marking Instructions



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Note:

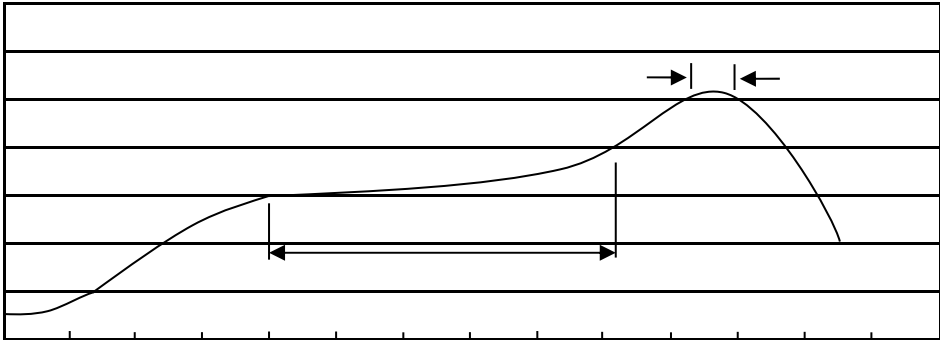
BR: Company Code

Q: Automobile halogen-free product Code

79D12: Product Type

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

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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.

/ Resistance to Soldering Heat Test Conditions

260 5 10 1 sec. Temp.:260±5 Time:10±1 sec

/ Packaging SPEC.

/ REEL

Package Type	Units					Dimension (unit mm³)		
TO-252	2,500	2	5,000	6	30,000	13 ×16	360×360×50	380×335×366

/ TUBE

Package Type	Units					Dimension (unit mm³)		
TO-251/252	75	48	3,600	5	18,000	526×20.5×5.25	555×164×50	575×290×180

/ Notices