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.

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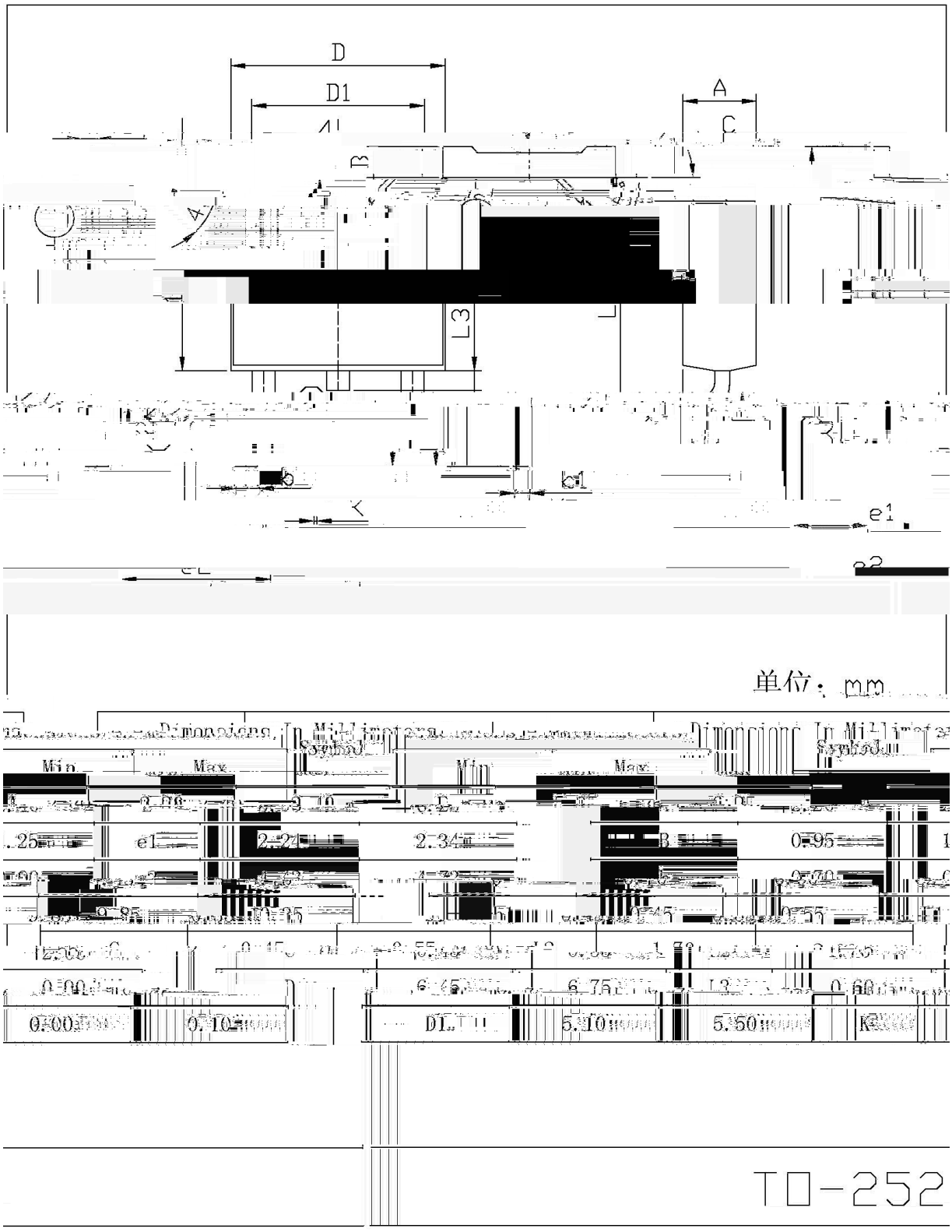
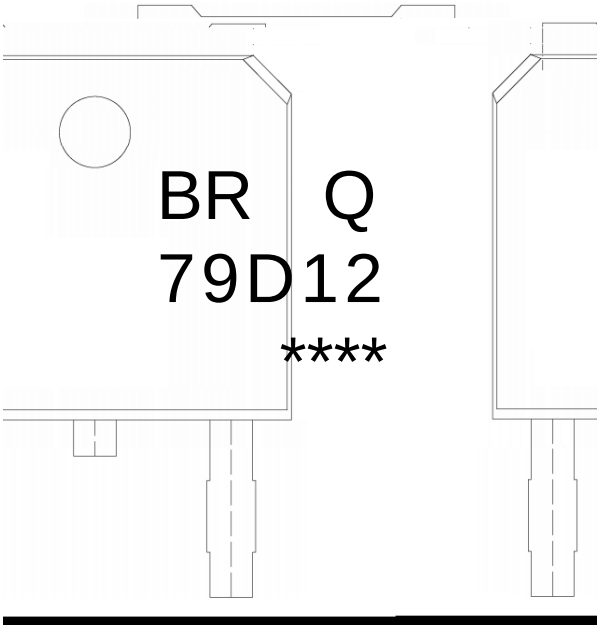
Parameter	Symbol	Rating	Unit
Input voltage	V_I	-35	V
Thernal Resistance Junction-Ambient	R_{JA}	105	/W
Thernal Resistance Junction-Case	R_{JC}	10	/W
Operating Junction Temperature Range	T_{OPR}	-40 125	
Storage temperature range	T_{stg}	-65 150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Output voltage	V_O	I_o=5mA~1A P_o 15W V_i=-14V~-27V	-11.4	-12.0	-12.6	V

/ Package Dimensions



/ Marking Instructions



BR

Q

79D12

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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