5 é / Descriptions

TO-252 .> / / x 9 ² … ˜ož Voltage Regulator in a TO-252 Plastic Package.

¤ ª / Features

€ l 9 ² … ˜ k ÿ ß v ä 1.0A, Ä — ½ ‘ y ? è ’ ò k —)í D }ož

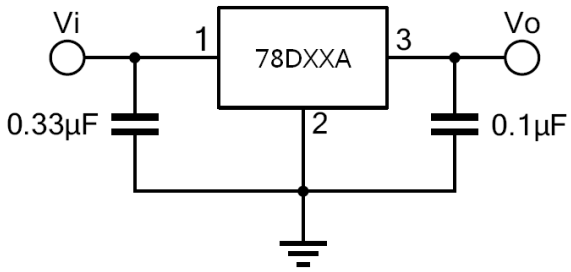
3-Terminal regulators ,output current up to 1.0A, internal thermal overload protection and short-circuit limiting, HF Product.

Ð ÷ / Applications

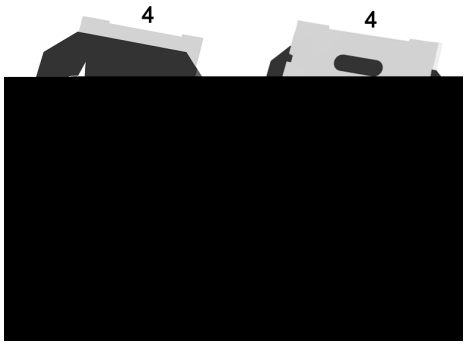
9 ² … ˜ož

Voltage Regulator.

Ã W] Ô · / € Ð Ô · / Equivalent Circuit or Application Circuit



• Û - æ / Pinning



PIN1 y IN PIN 2o•4 y GND PIN 3 y OUT

, M V / Marking

• - ~ ª ¢ož

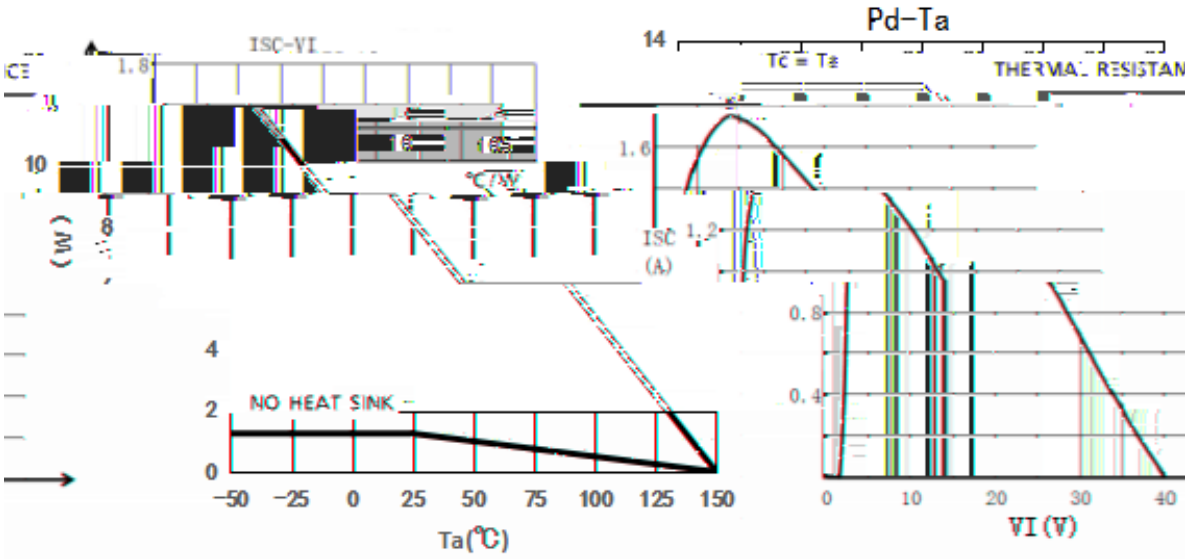
See Marking Instructions.

@ ƒ Parameter	… Z Symbol	ƒ › Rating	% y Unit
Input voltage	V_I	17.5~35	V
Power Dissipation	P_D	Internally Limited	W
Thermal Resistance Junction-ambient	R_{JA}	105	/W
Thermal Resistance Junction-case	R_{JC}	10	/W
Operating Temperature Range	T_{OPR}	-40 125	
Storage temperature range	T_{stg}	-65 150	

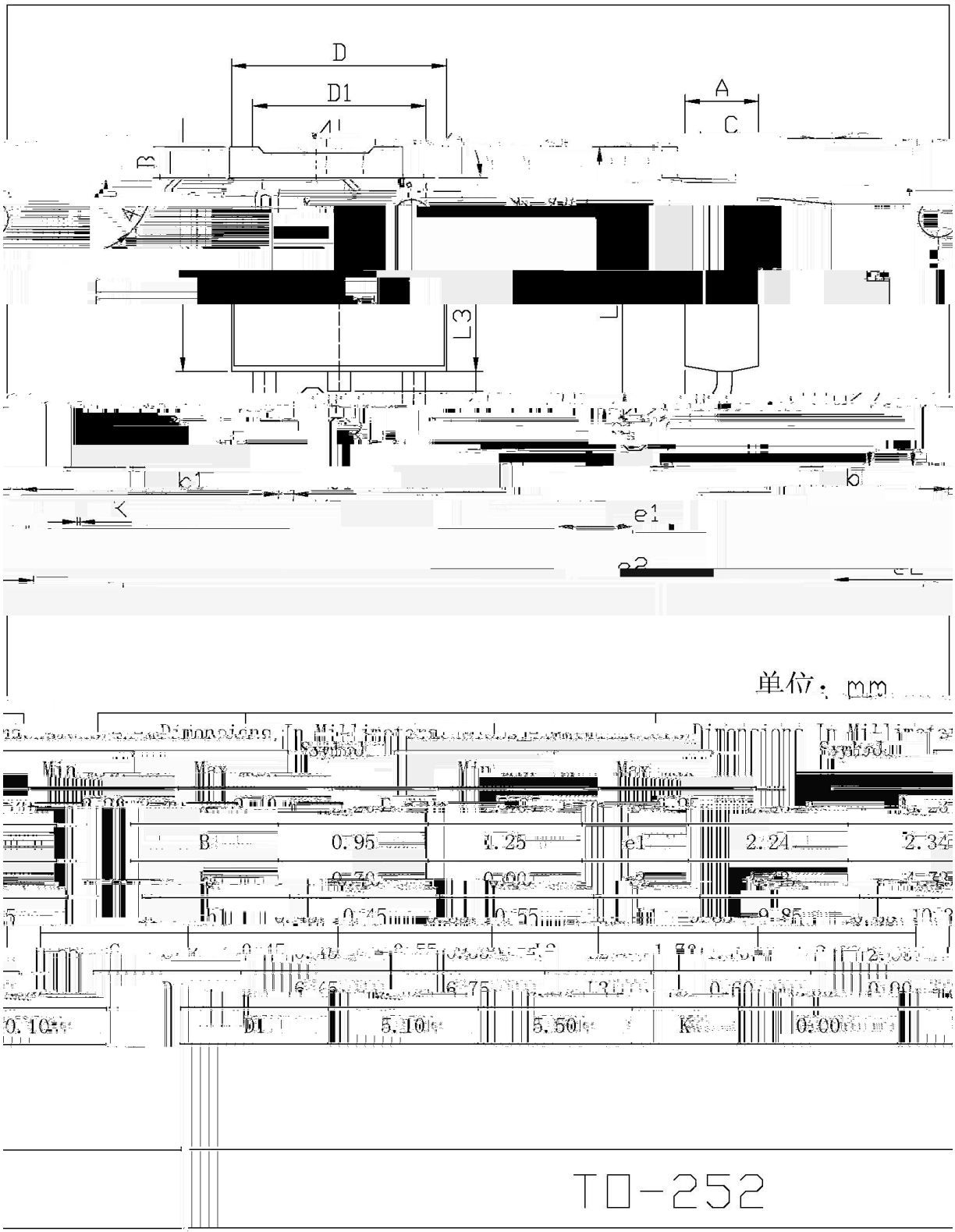
@ ƒ Parameter	… Z Symbol	y ¡ Ú ^ Test Conditions	Â 4 › Min	Á º › Typ	Â Ý › Max	% y Unit

Ô ? d • Ž ¢ / Electrical Characteristic Curve

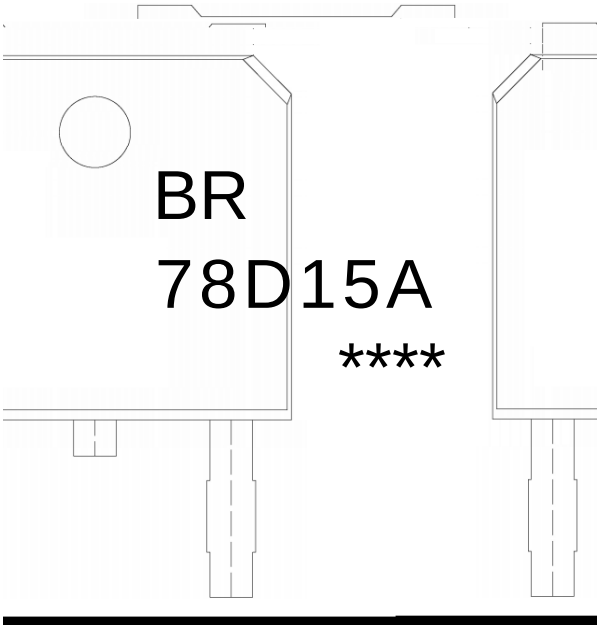




Ø ¤ =) ¢ / Package Dimensions



, M y ƒ / Marking Instructions



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BR y	¸ [W A
78D15A y	D } º Z
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Note:

BR:	Company Code
78D15A:	Product Type
****:	Lot No. Code, code change with Lot No

78D15A