

5 é / Descriptions

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

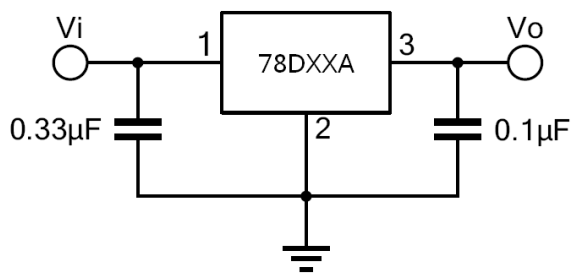
α a / Features

€ l 9 ² ... ~ k ý 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.

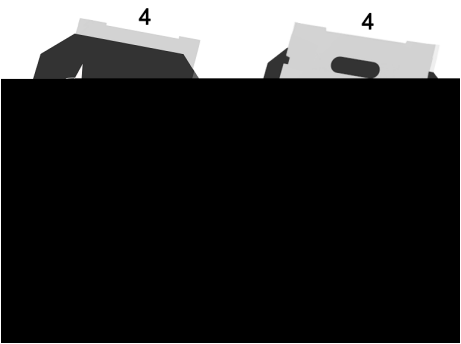
Đ ÷ / Applications

9 ² ... ~ož
Voltage Regulator.

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



• Ũ - æ / Pinning



PIN1 y IN PIN 2o•4 y GND PIN 3 y OUT

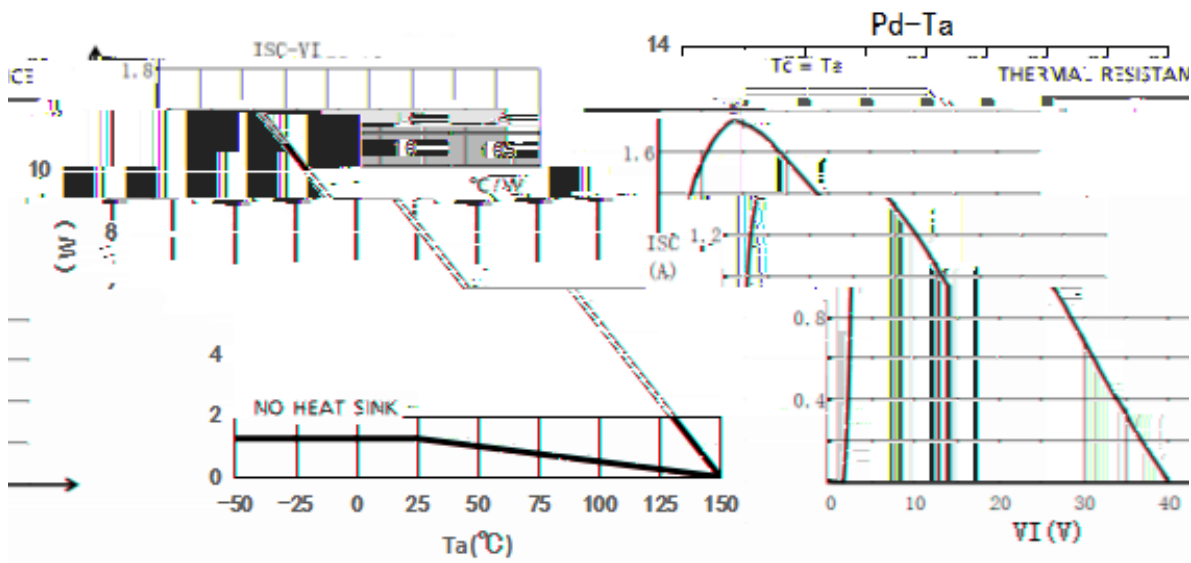
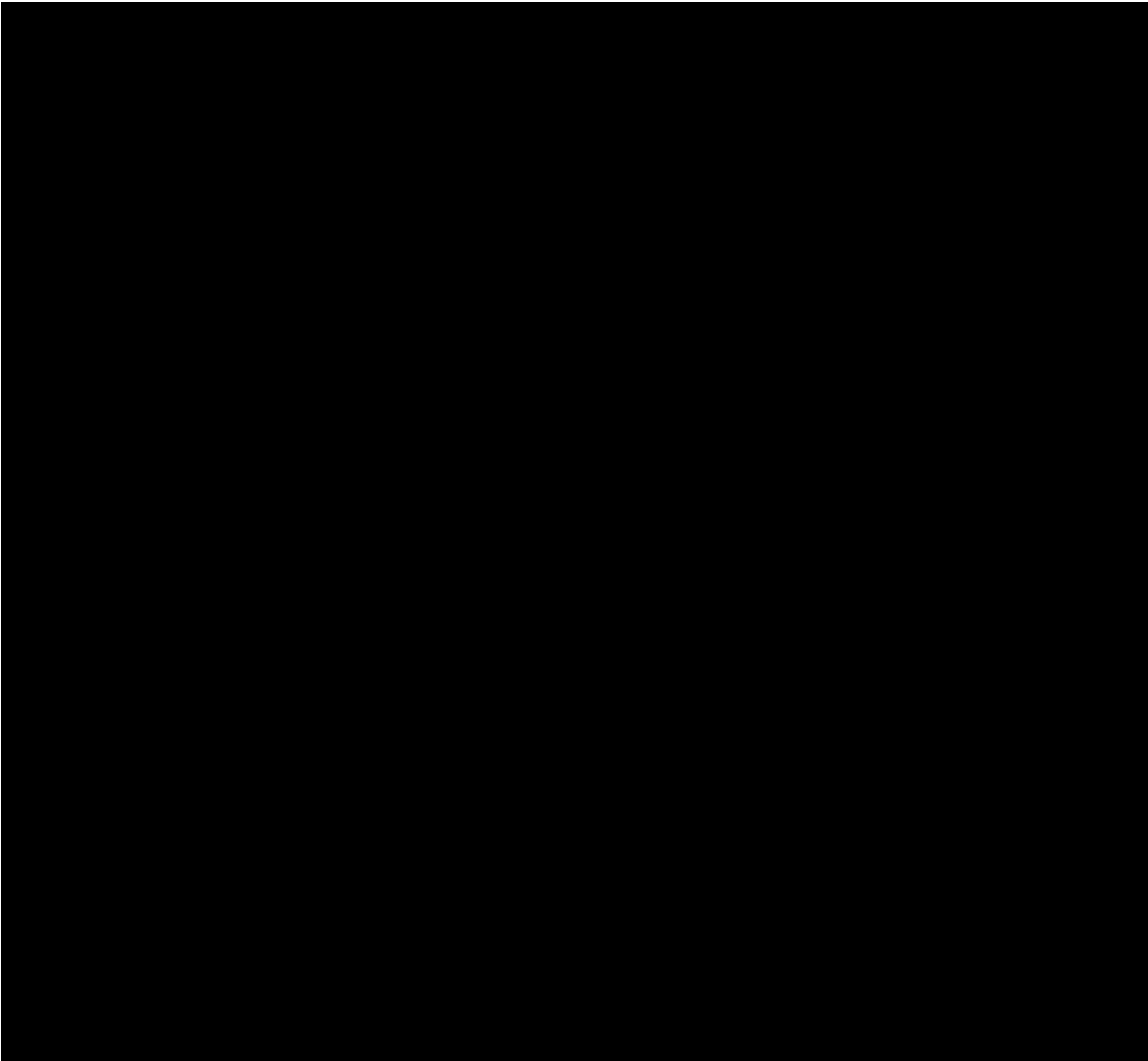
, M V / Marking

• - ~ a ¢ož
See Marking Instructions.

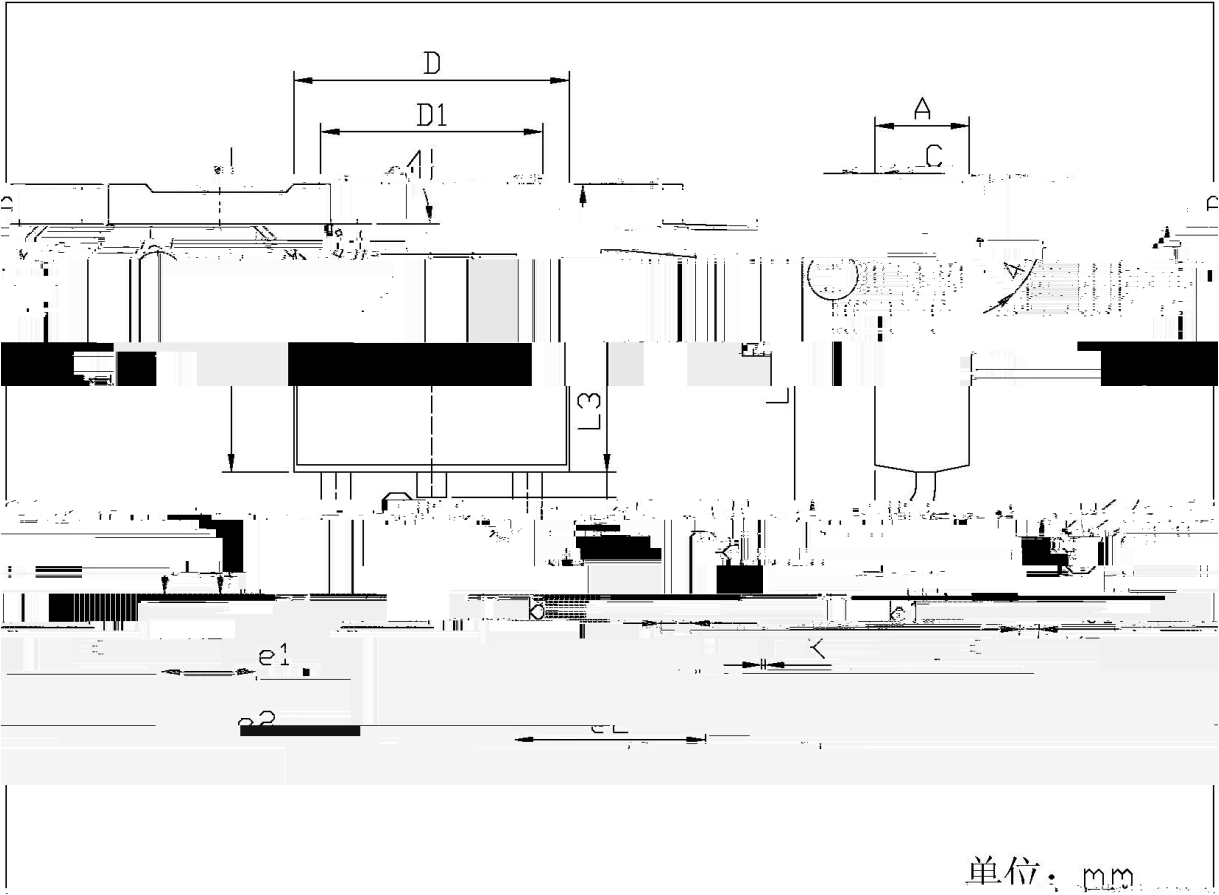
@ f Parameter	... Z Symbol	f > Rating	% y Unit
Input voltage	V _I	17.5~35	V
Power Dissipation	P _D	Internally Limited	W
Thermal Resistance Junction-ambient	R _{JA}	105	/W
Thermal Resistance Junction-case	R _{JC}	10	/W
Operating Temperature Range	T _{OPR}	-40 125	
Storage temperature range	T _{stg}	-65 150	

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Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit

Electrical Characteristic Curve



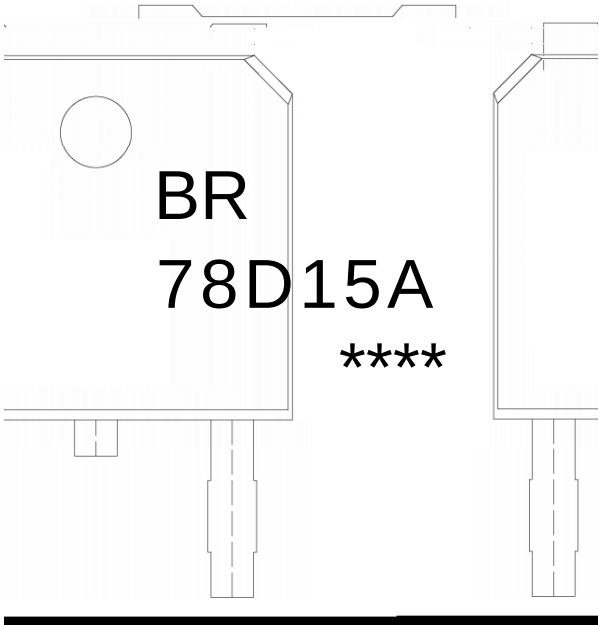
Ø □ =) ☉ / Package Dimensions



Dimensions, Millimeters		Dimensions, Millimeters		
Min	Max	Min	Max	
3.95		0.68	0.10	
e1	2.24	2.34	0.95	1.25
e2	4.42	4.72	0.76	0.96
0.85	0.35	0.75	0.55	0.3
0.16	0.15	0.55	0.52	1.58
0.12	0.45	6.75	1.8	0.60
0.10	0.1	5.10	5.50	0.30

TO-252

, M y f / Marking Instructions



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BR y , [W A

78D15A y D } ° Z

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Note:

BR: Company Code

78D15A: Product Type

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

78D15A
Rev.B Jun.-2024



DATA SHEET

78D15A