

5 é / Descriptions

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

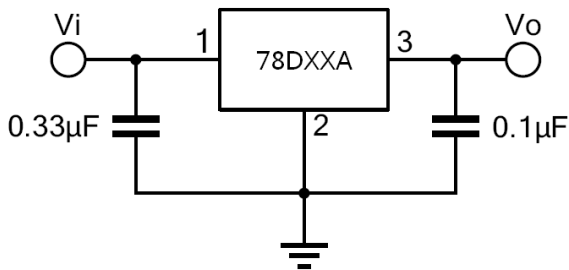
α a / Features

€ I 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.

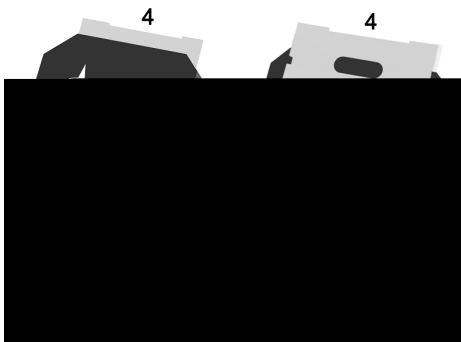
Đ ÷ / Applications

9 ² ... ~ož
Voltage Regulator.

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



• Û - æ / Pinning



PIN1 y IN PIN 2o•4 y GND PIN 3 y OUT

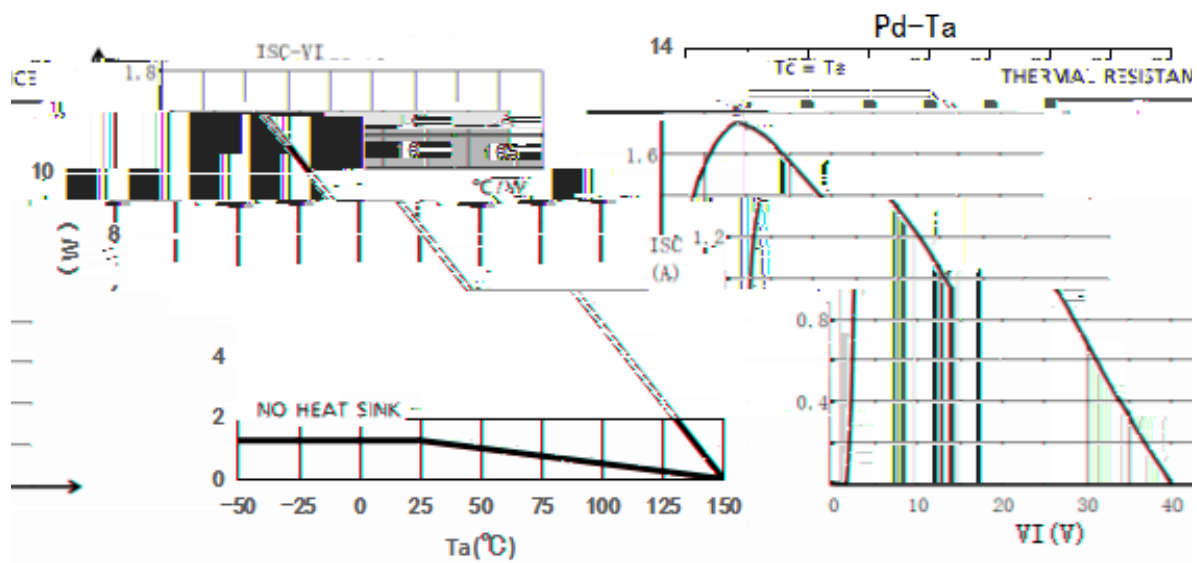
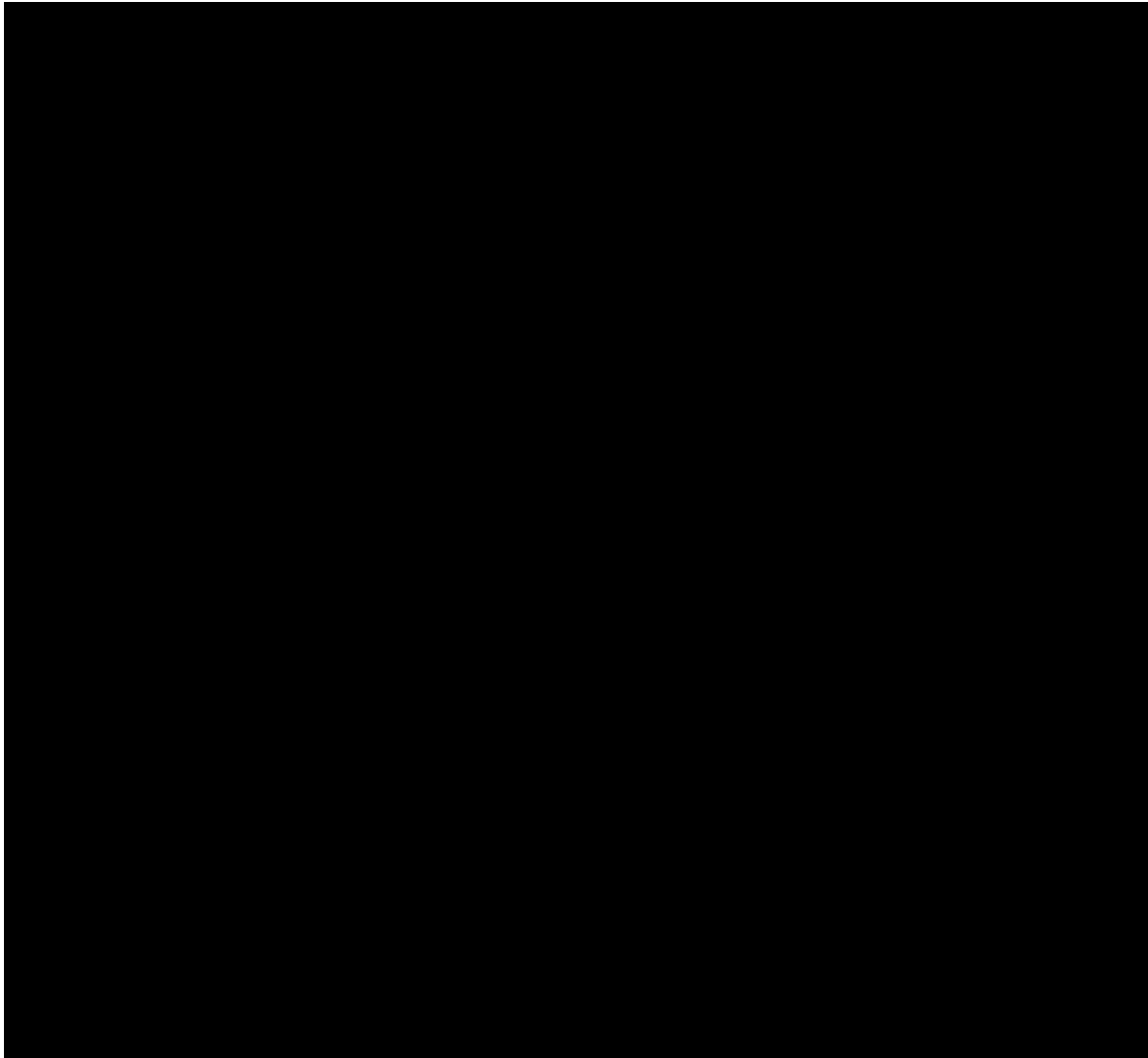
, M V / Marking

• - ~ a øž
See Marking Instructions.

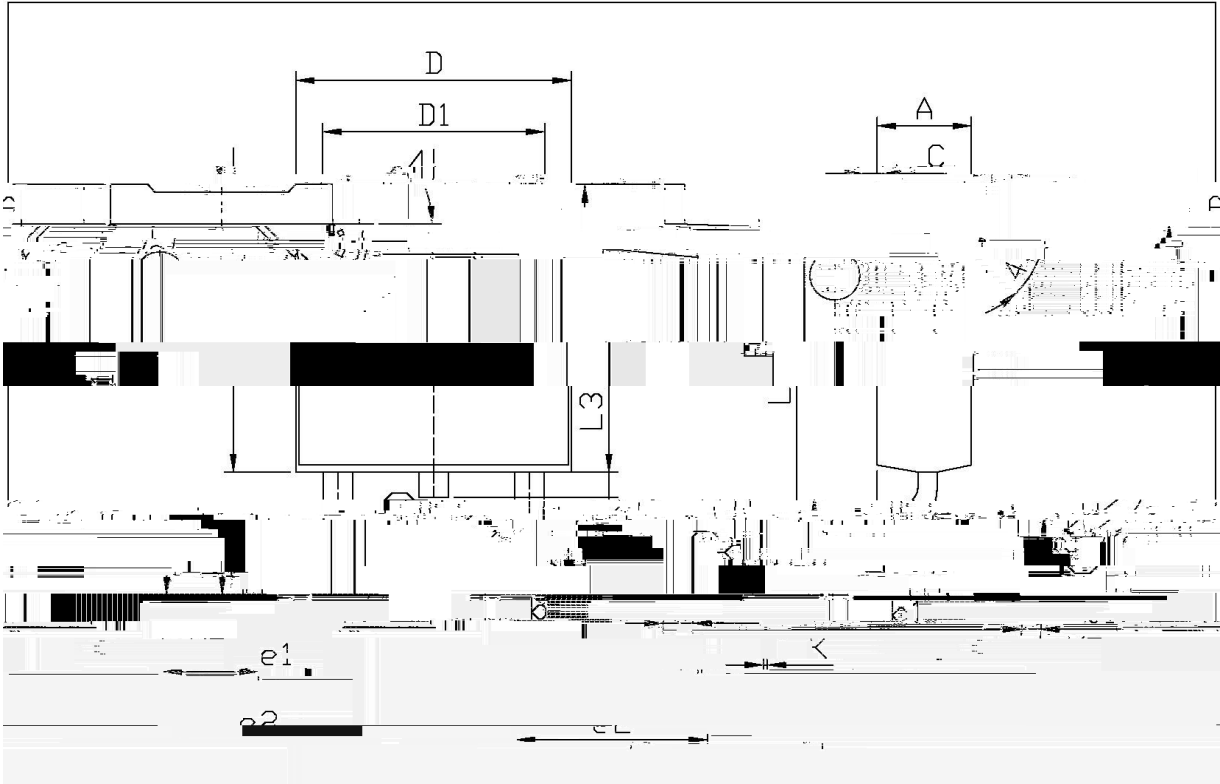
@ f Parameter	... Z Symbol	f › Rating	% y Unit
Input voltage	V _I	17.5~35	V
Power Dissipation	P _D	Internally Limited	W
Thermal Resistance Junction-ambient	R _{JA}	105	/W
Thermal Resistance Junction-case	R _{JC}	10	/W
Operating Temperature Range	T _{OPR}	-40 125	
Storage temperature range	T _{stg}	-65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

@ f Parameter	... Z Symbol	y i Ú ^ Test Conditions	Â 4 › Min	Á ° › Typ	Â Ý › Max	% y Unit
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78D15A / Electrical Characteristic Curve



∅ □ =) ∅ / Package Dimensions

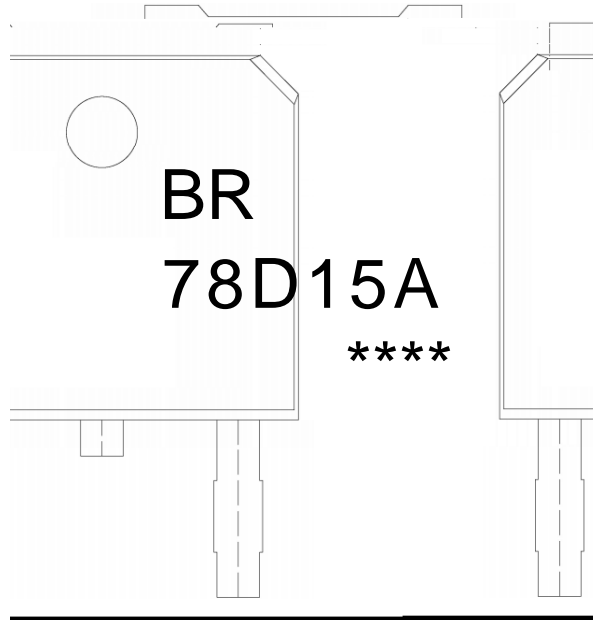


单位: mm

Dimensions, Millimeters		Dimensions, In Millimeters	
Min	Max	Min	Max
e1	2.24	2.34	0.95
e2	0.95	0.75	0.55
L3	0.15	0.55	1.50
D1	5.10	5.50	0.00

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

78D15A