

5 é / Descriptions

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

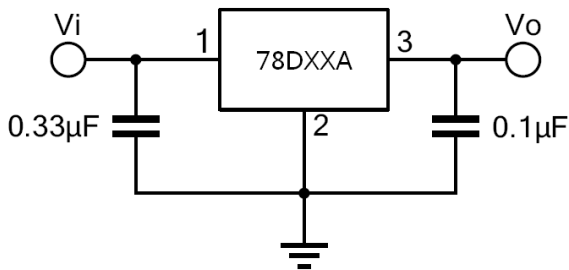
α a / Features

€ 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.

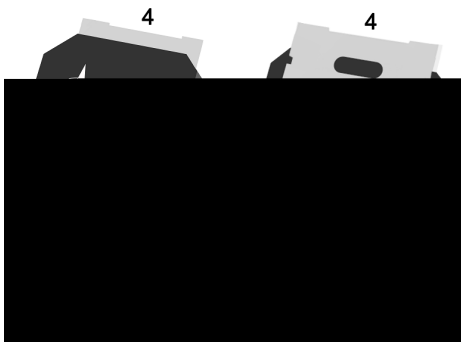
Đ ÷ / Applications

9 ² ... ~ož
Voltage Regulator.

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



• Ū - æ / Pinning



PIN 1 y IN PIN 2o•4 y GND PIN 3 y OUT

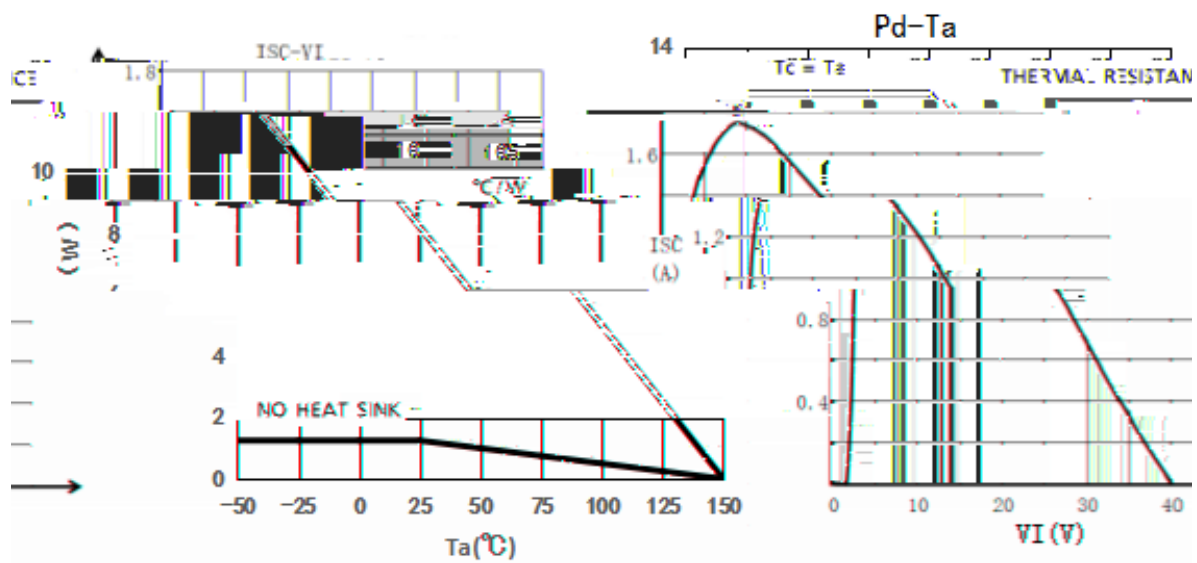
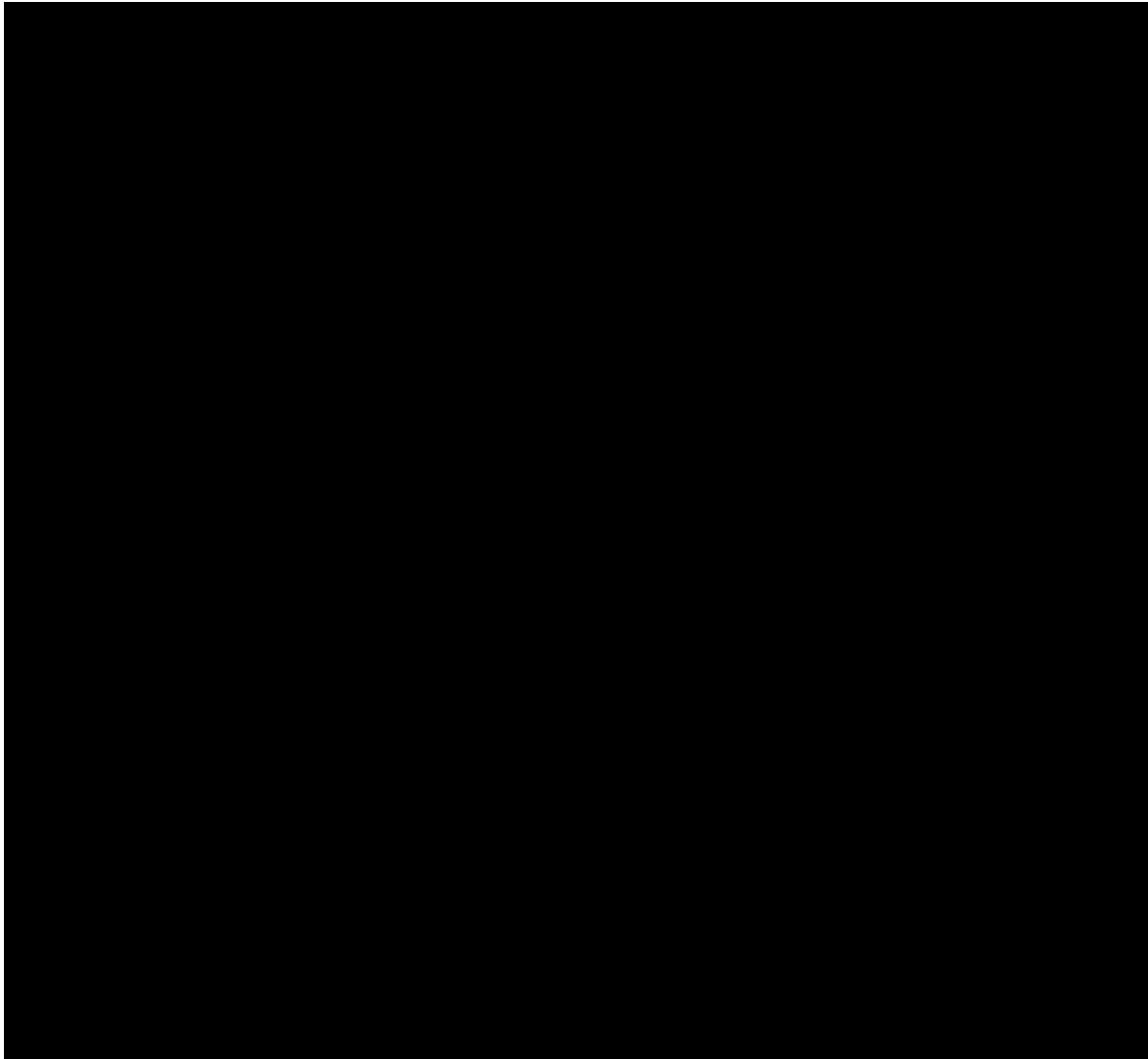
, M V / Marking

• - ~ a øž
See Marking Instructions.

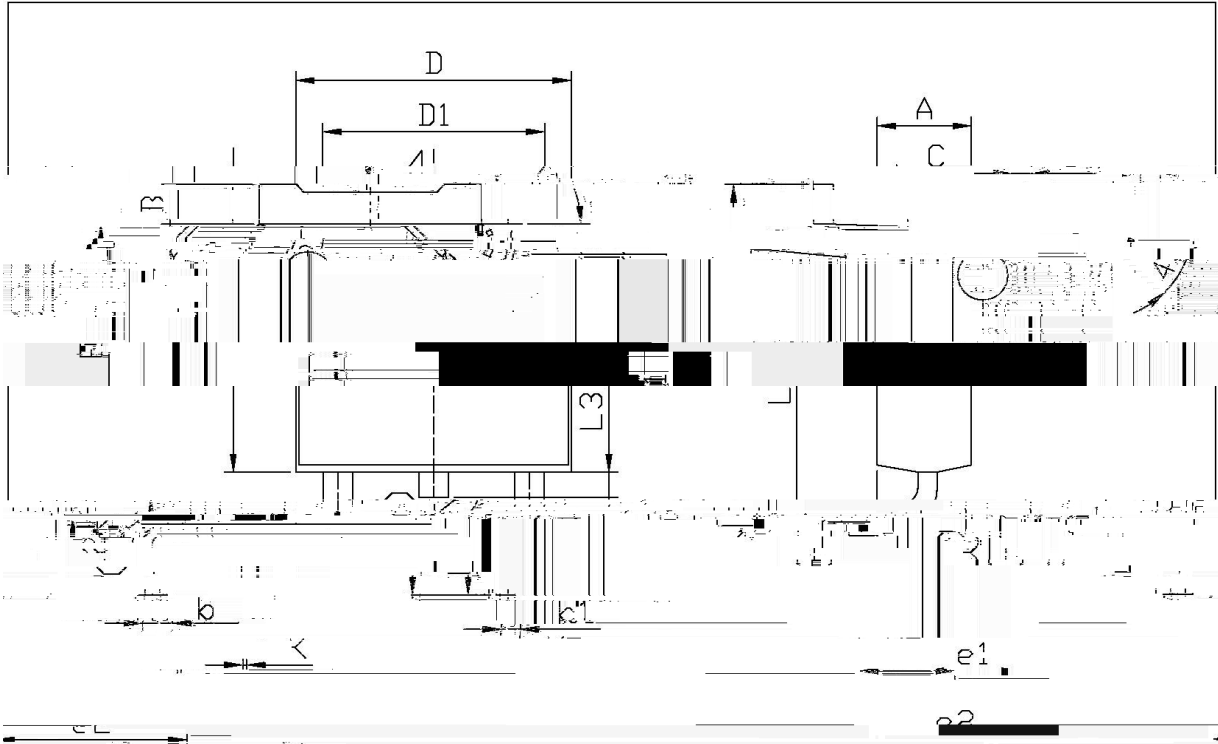
@ f Parameter	... Z Symbol	f › Rating	% y Unit
Input voltage	V _I	17.5~35	V
Power Dissipation	P _D	Internally Limited	W
Thermal Resistance Junction-ambient	R _{JA}	105	/W
Thermal Resistance Junction-case	R _{JC}	10	/W
Operating Temperature Range	T _{OPR}	-40 125	
Storage temperature range	T _{stg}	-65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

@ 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

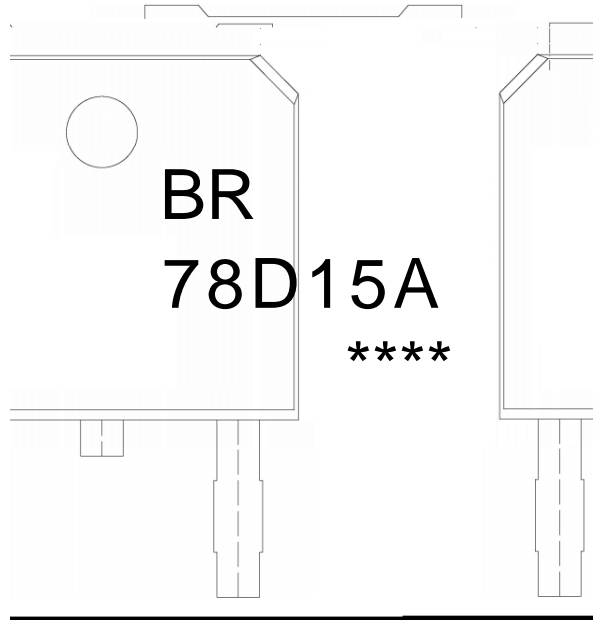


单位: mm

Dimensions in Millimeters		Dimensions in Millimeters			
Min	Max	Min	Max		
B	0.95	1.25	e1	2.24	2.34
b	0.70	0.68	e2	1.73	
l	0.45	0.55	CL	0.95	10.75
CL	0.45	0.55		1.50	
	0.00	0.10	D1	5.10	5.50

T0-25

, 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