

5 é / Descriptions

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

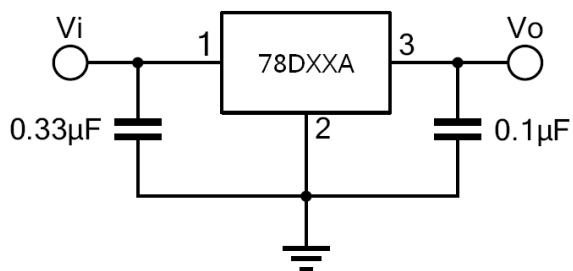
α a / Features

€ 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.

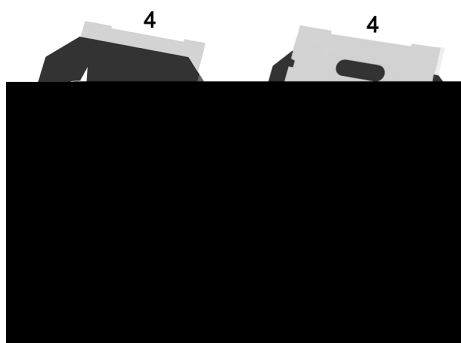
Đ ÷ / Applications

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

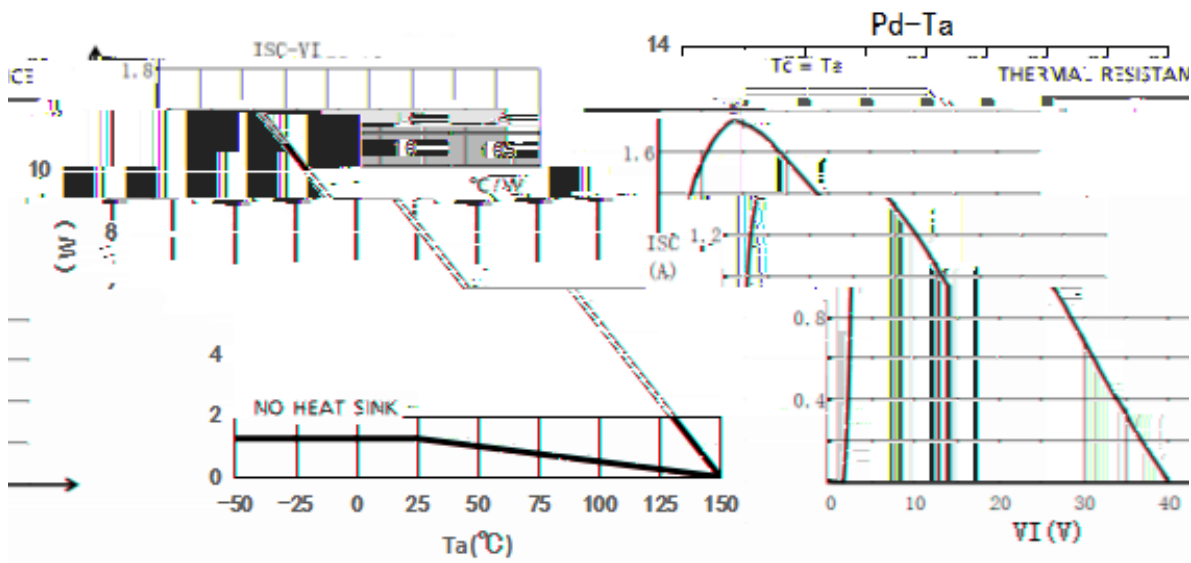
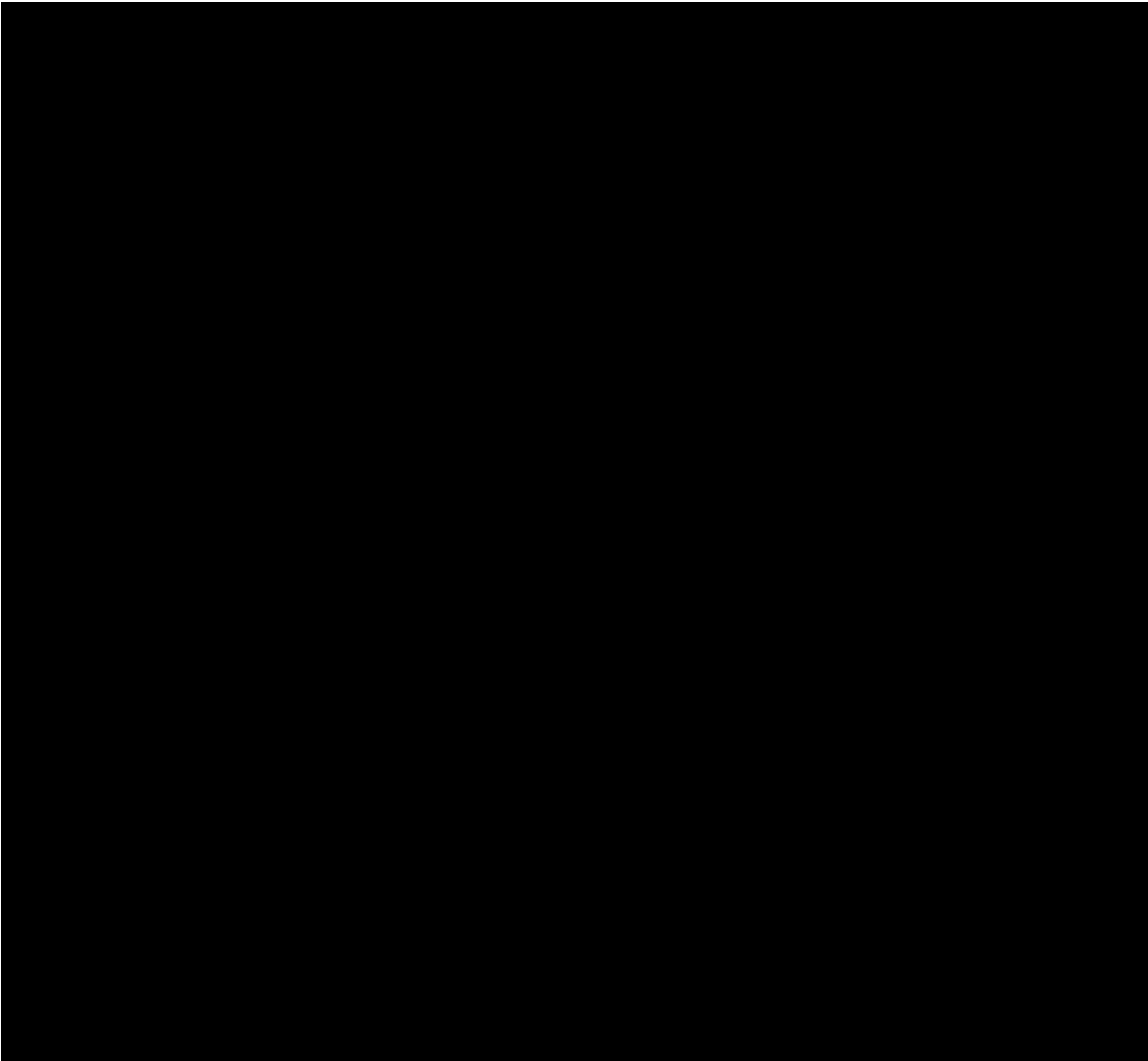
, M V / Marking

• - ~ a ¢ož
See Marking Instructions.

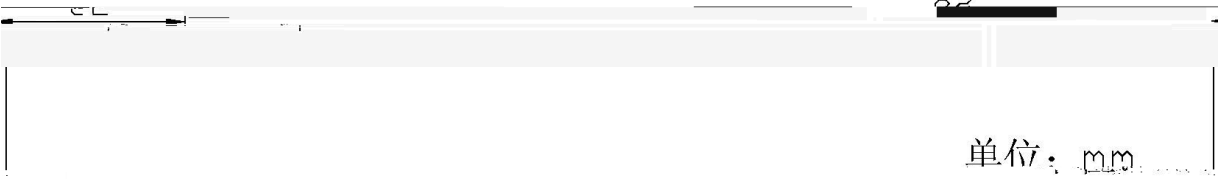
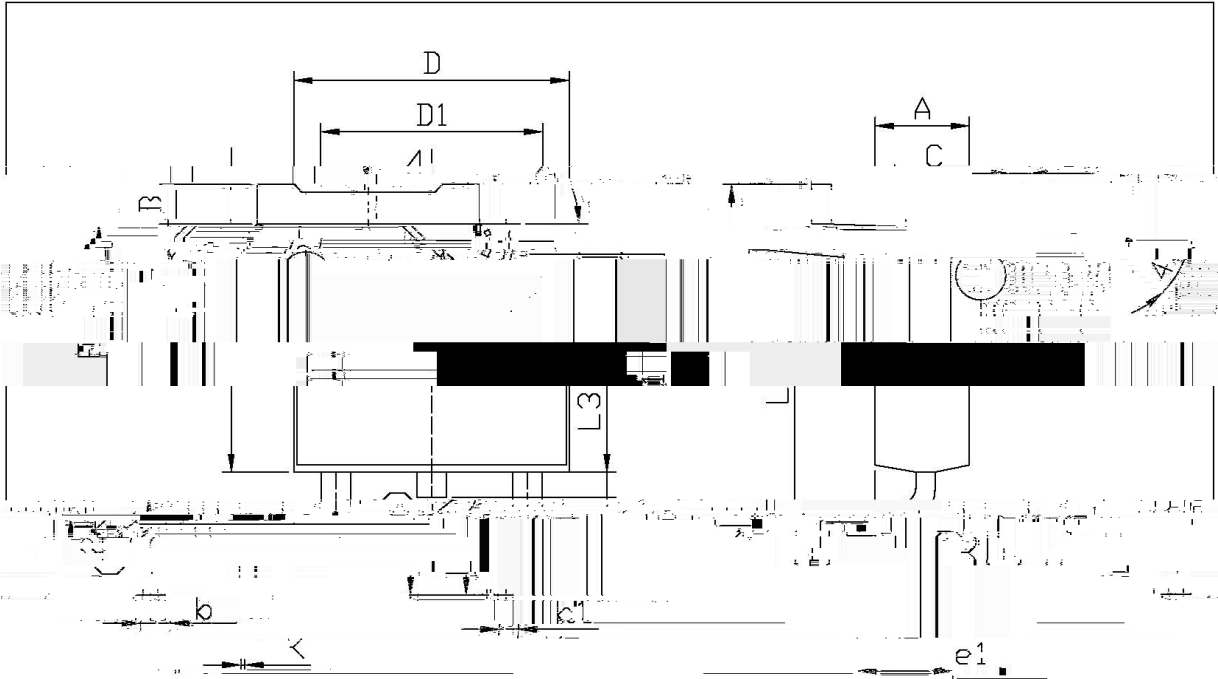
@ f Parameter	... Z Symbol	f > Rating	% y Unit
Input voltage	V _I	17.5~35	V
Power Dissipation	P _D	Internally Limited	W
Thermal Resistance Junction-ambient	R _{JA}	105	/W
Thermal Resistance Junction-case	R _{JC}	10	/W
Operating Temperature Range	T _{OPR}	-40 125	
Storage temperature range	T _{stg}	-65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

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Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit

Electrical Characteristic Curve



Ø □ =) □ / Package Dimensions

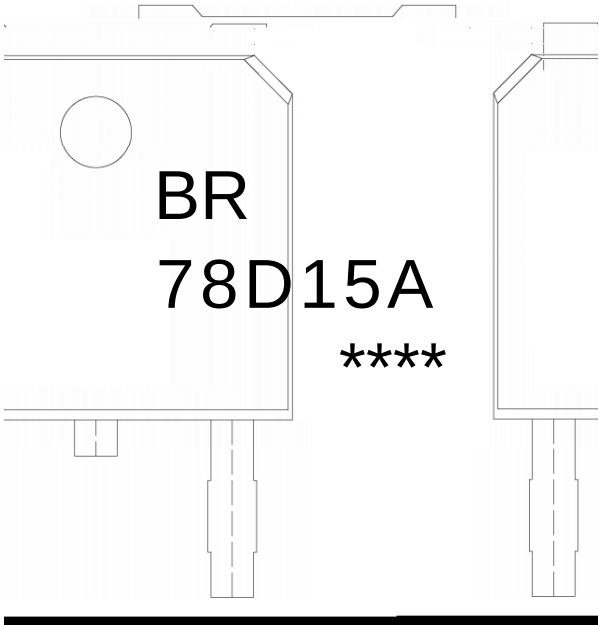


单位: mm

Dimensions in Millimeters		Dimensions in Millimeters	
Min	Max	Min	Max
B	0.95	e1	2.24
b	0.70	e2	2.34
k1	0.45	L3	1.35
D	0.00	D1	5.10
D1	0.10	K	0.60

T0-25

, M y f / Marking Instructions



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BR y , [W A
78D15A y D } ° Z
y ŷ D Z W A k š ŷ D Z J

Note:

BR: Company Code

78D15A: Product Type

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

78D15A
Rev.B Jun.-2024



DATA SHEET

78D15A