

5 é / Descriptions

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

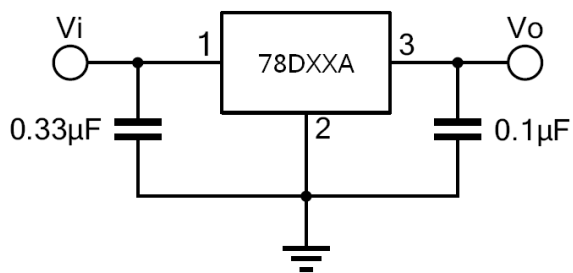
α a / Features

€ 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.

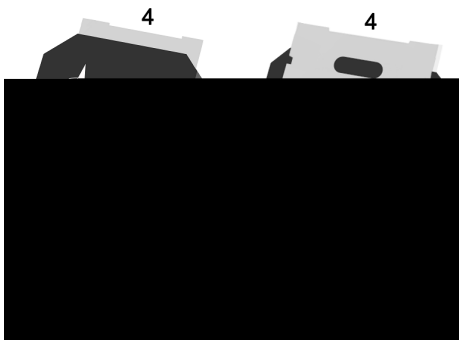
Đ ÷ / Applications

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

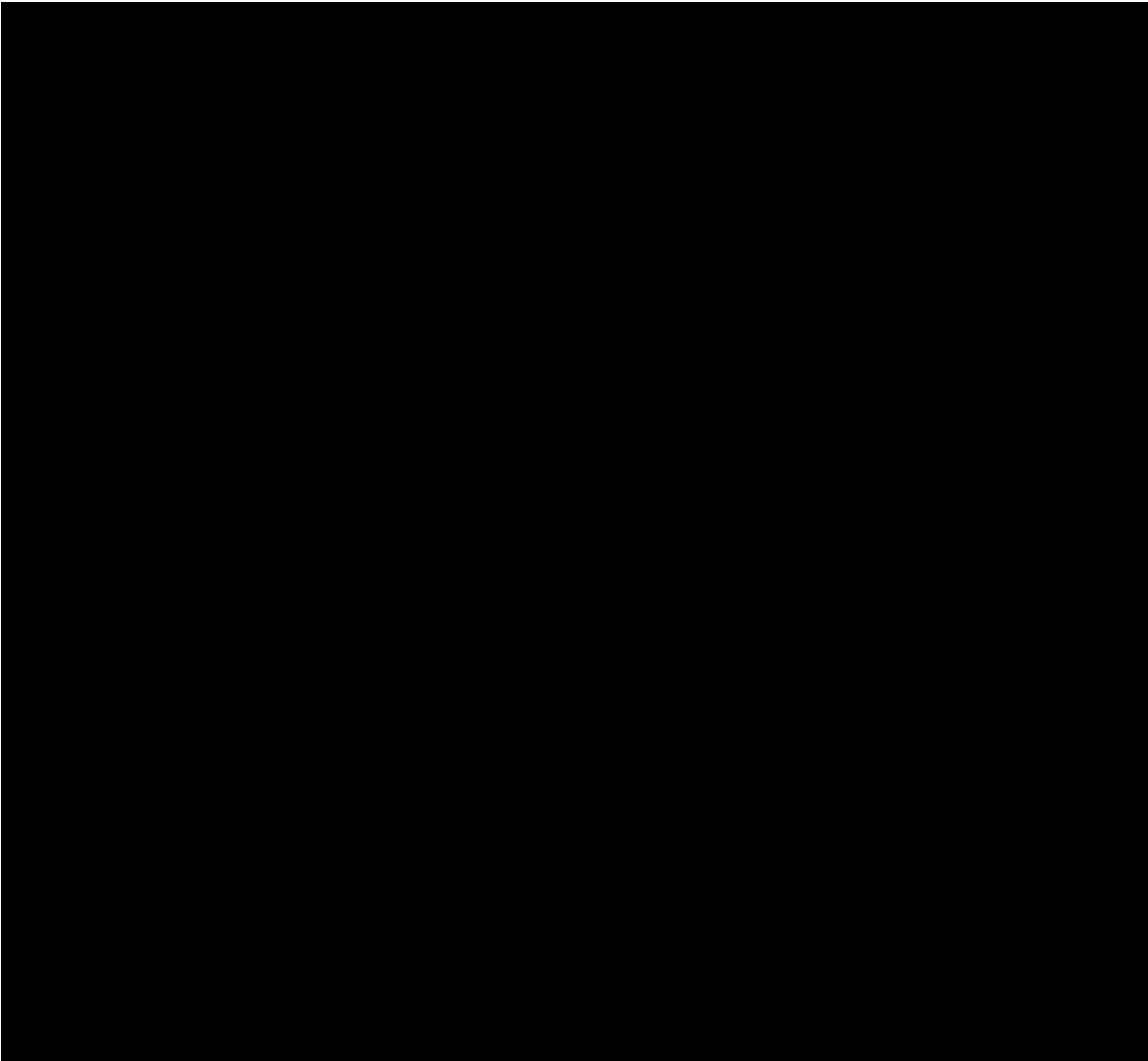
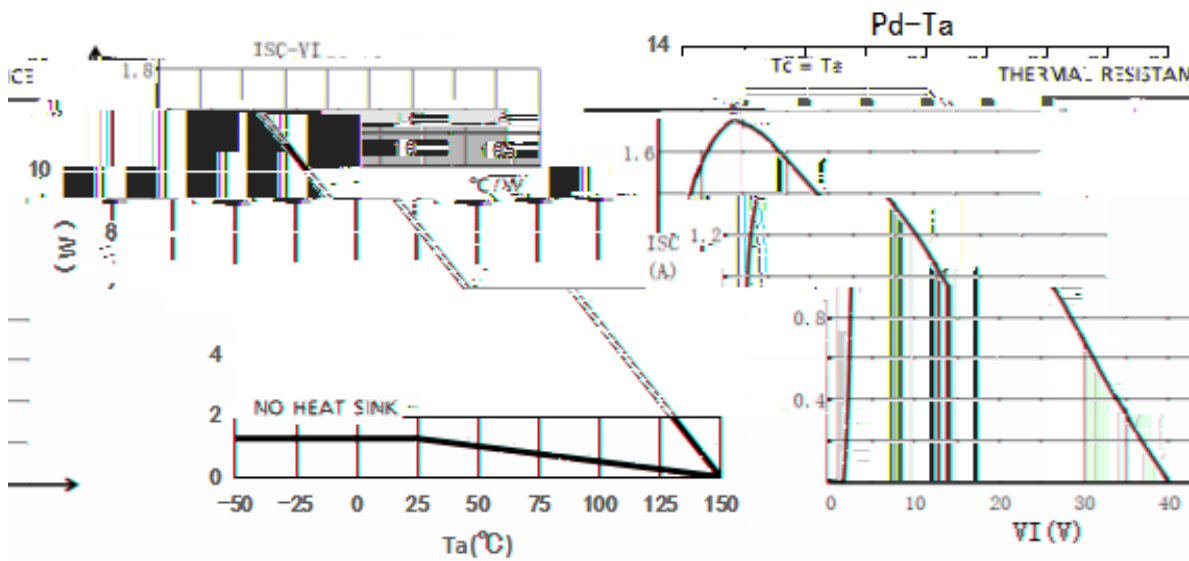
, M V / Marking

• - ~ 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	

@ f Parameter	... Z Symbol	y i Ú ^ Test Conditions	Â 4 > Min	Á ° > Typ	Â Ý > Max	% y Unit
------------------	-----------------	----------------------------	--------------	--------------	--------------	-------------

Electrical Characteristic Curve

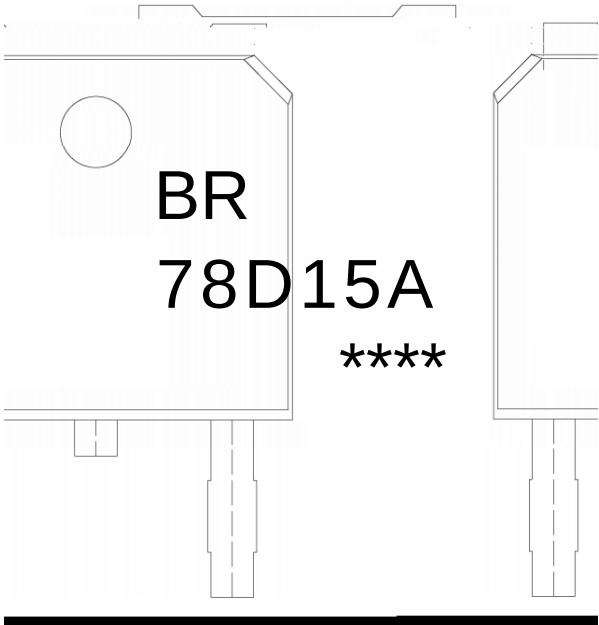


单位: mm

Dimensions		Millimeters		Dimensions		Millimeters	
Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
2.34	B ₁	0.95	1.25	0.1	2.24		
0.72		0.70	0.90				
0.35		0.15	0.55	0.55	0.95		
0.45		0.55	0.65	0.65	0.75		
0.45		0.75	1.25	1.25	0.60		
0.10		D1	5.10	5.50	K ₁	0.00	

TO-252

, M y f / Marking Instructions



^ ¢ y
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