

/ Descriptions

TO-252

Voltage Regulator in a TO-252 Plastic Package.

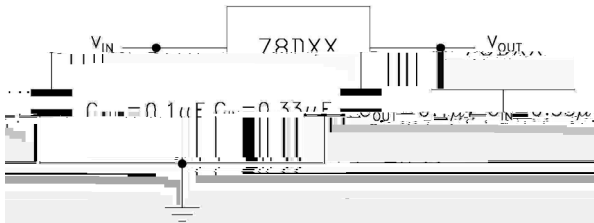
/ Features

3-Terminal regulators ,output current up to 1.5A, internal thermal overload protection and short-circuit limiting, HF Product.

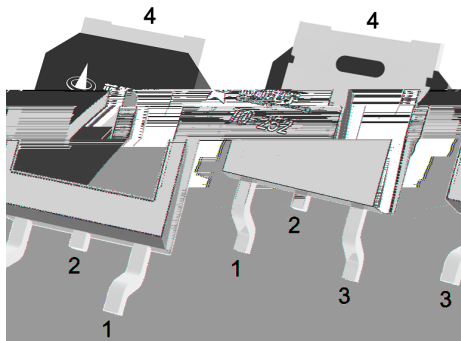
/ Applications

Voltage Regulator.

/ / Equivalent Circuit or Application Circuit



/ Pinning



PIN1 IN

PIN 2 4 GND

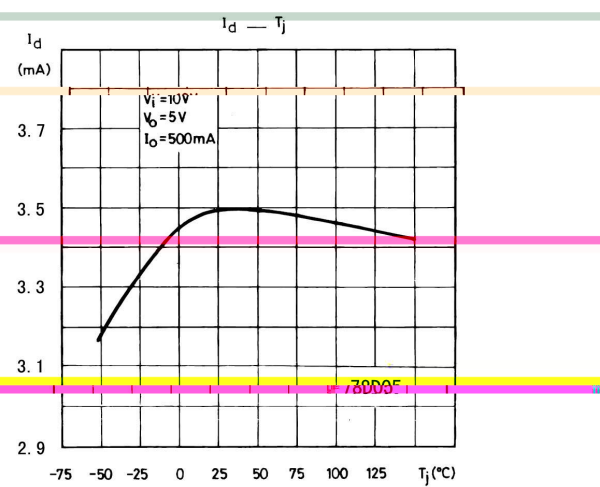
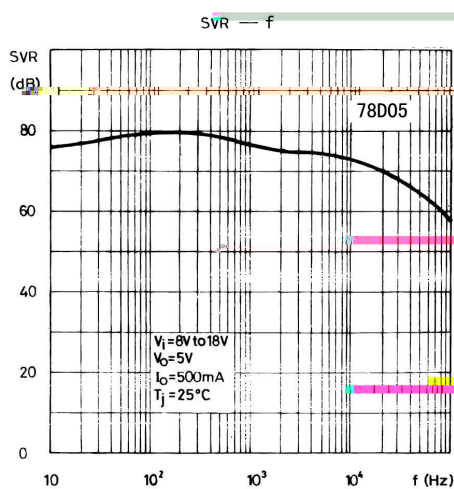
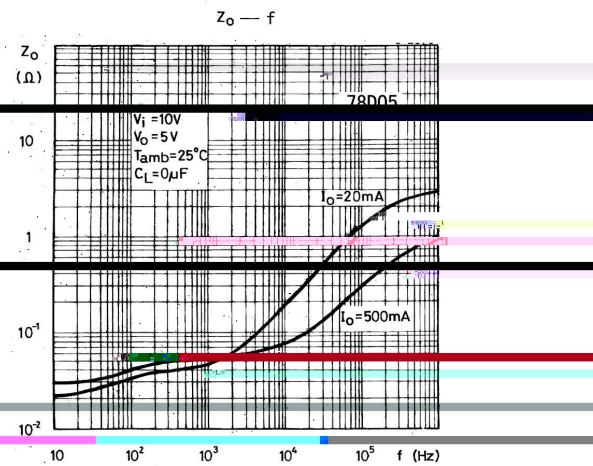
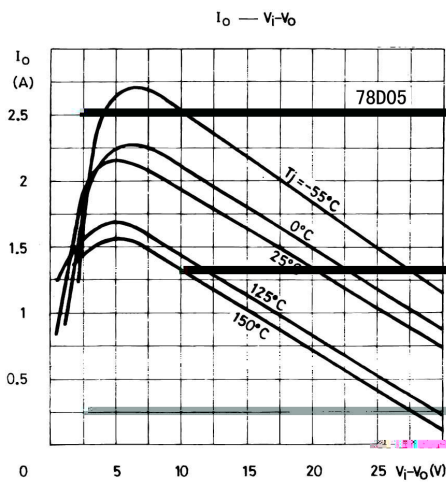
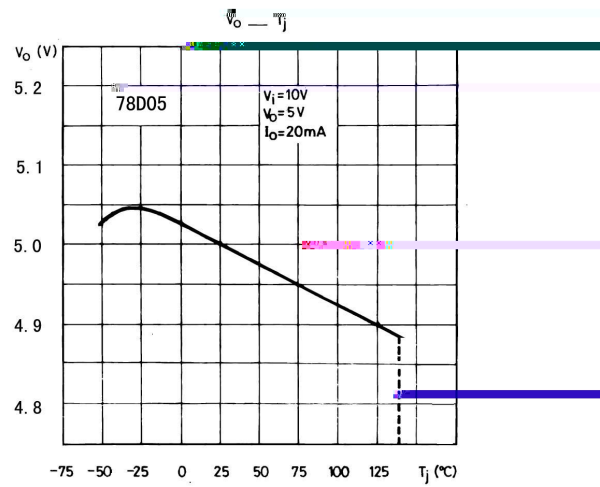
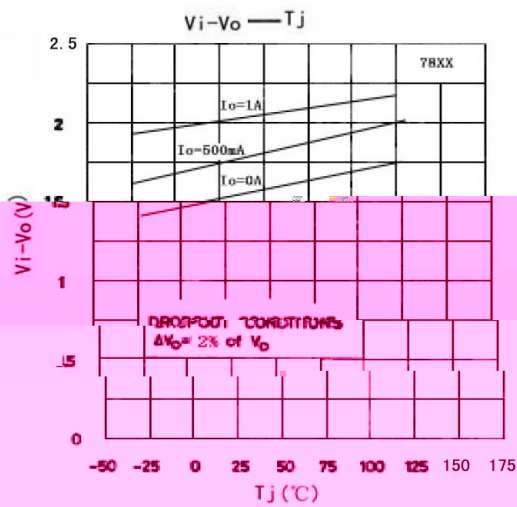
PIN 3 OUT

/ Marking

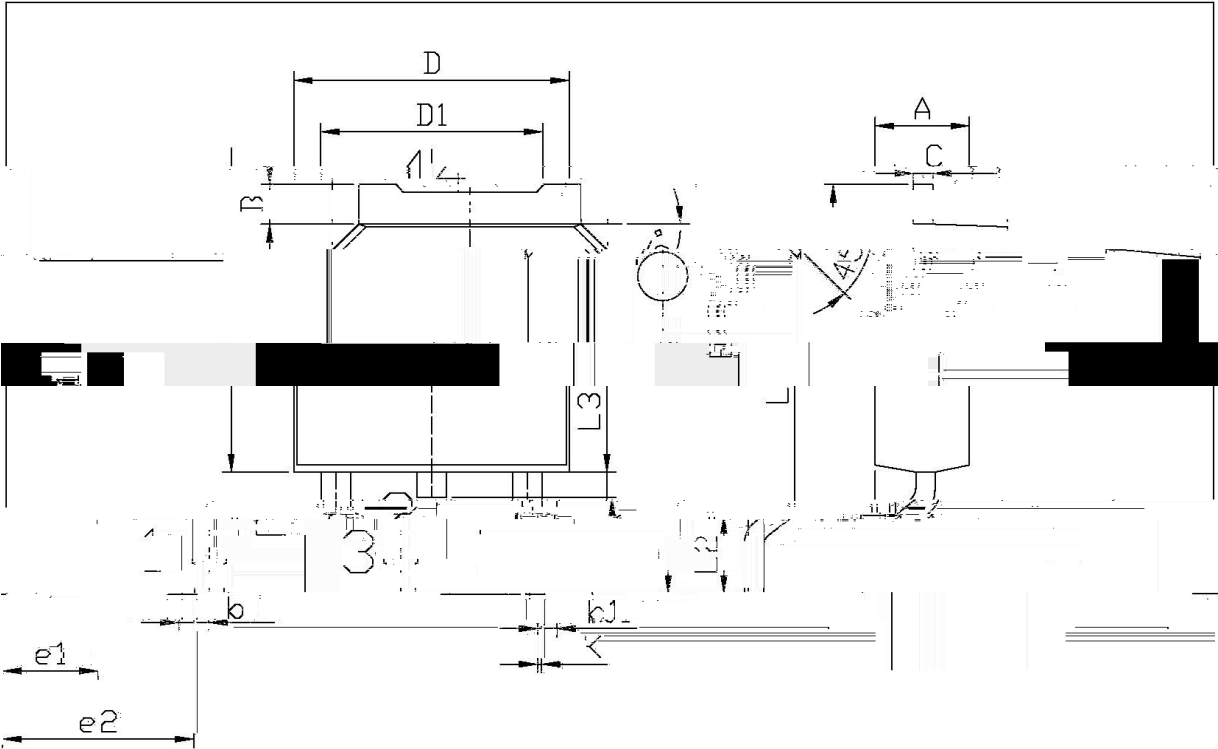
See Marking Instructions.

Parameter

/ Electrical Characteristic Curve



/ Package Dimensions



单位：mm

Symbol	Dimensions In Millimeters		Symbol	Dimensions In Millimeters	
	Min	Max		Min	Max
0.95	6.25		2.20	2.40	5
e1	2.24	2.34	B	0.95	1.25
e2	4.43	4.73	b	0.70	0.90
L1	9.85	10.35	D1	0.45	0.55
	2.05	2.55	L2	1.70	2.00
0.60	0.90		D	6.45	6.75
0.00	0.00	0.10	D1	5.10	5.50

J-252

TL

78D05

Rev.J Jun.-2024

() / Temperature Profile for IR Reflow Soldering(Pb-Free)

Note:

- 1

150 180

60 90sec;

1.Preheating:150~180 , Time:60~90sec.
- 2

245 5

5 0.5sec;

2.Peak Temp.:245 5 , Duration:5 0.5sec.
- 3

2 10 /sec.

3. Cooling Speed: 2~10 /sec.

/ Resistance to Soldering Heat Test Conditions

260 5 10 1 sec. Temp.:260±5 Time:10±1 sec

/ Packaging SPEC.

/ REEL

Package Type	Units					Dimension (unit mm ³)		
	Units/Reel /	Reels/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Reel	Inner Box	Outer Box