

/ Descriptions

TO-220 Voltage Regulator in a TO-220 Plastic Package.

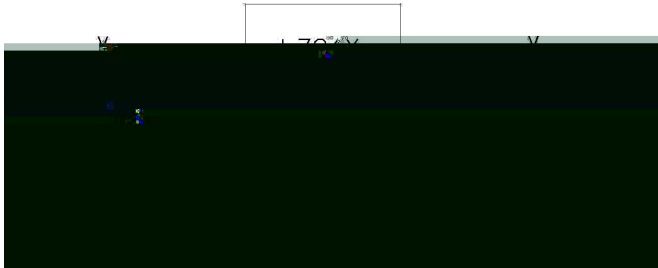
/ Features

1A,
3-Terminal regulators ,output current up to 1A, internal thermal overload protection and short-circuit limiting.

/ Applications

Voltage Regulator.

/ / Equivalent Circuit or Application Circuit



/ Pinning



PIN1 IN PIN 2 GND PIN 3 OUT

/ Marking

See Marking Instructions.

Parameter	Symbol	Rating	Unit
Input voltage	V_I	35	V
Operating Junction Temperature Range	T_{OPR}	0 125	
Storage temperature range	T_{stg}	-65 150	

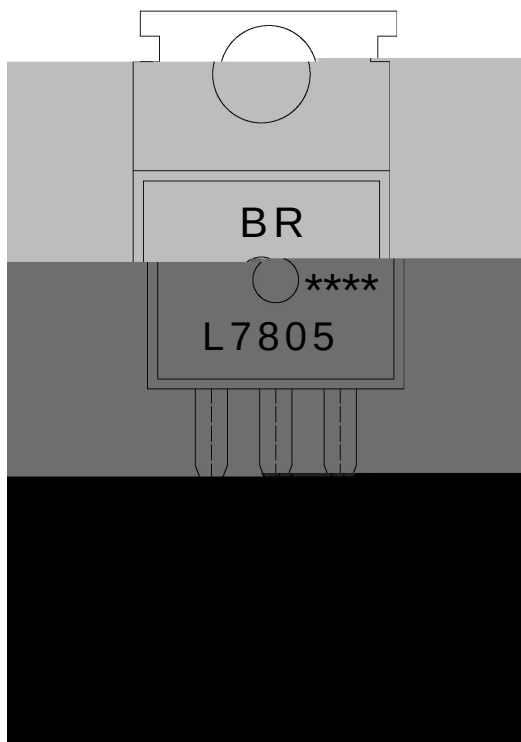
Parameter

Technical drawing of a mechanical part, likely a valve or actuator, showing a cross-section and a top view. The drawing includes dimensions in millimeters and a table of values.

Dimensions in Millimeters

Symbol	Min	Max	Symbol	Min	Max
Δ	9.8	10.2	Φ	12	14
R	3.56	3.64	B	6.3	6.7
L	15.7	16.1	B1	9.0	9.4
b	12.6	13.6	C1	2.2	2.6
b1	9.6	10.6	a1	0.7	0.9
ϕ	1.22	1.32	ϕ	0.4	0.6
ϕ	12.14	12.22	ϕ	17.47	17.54
ϕ	12.1	12.5	ϕ	14.5	14.6

/ Marking Instructions



BR

L7805

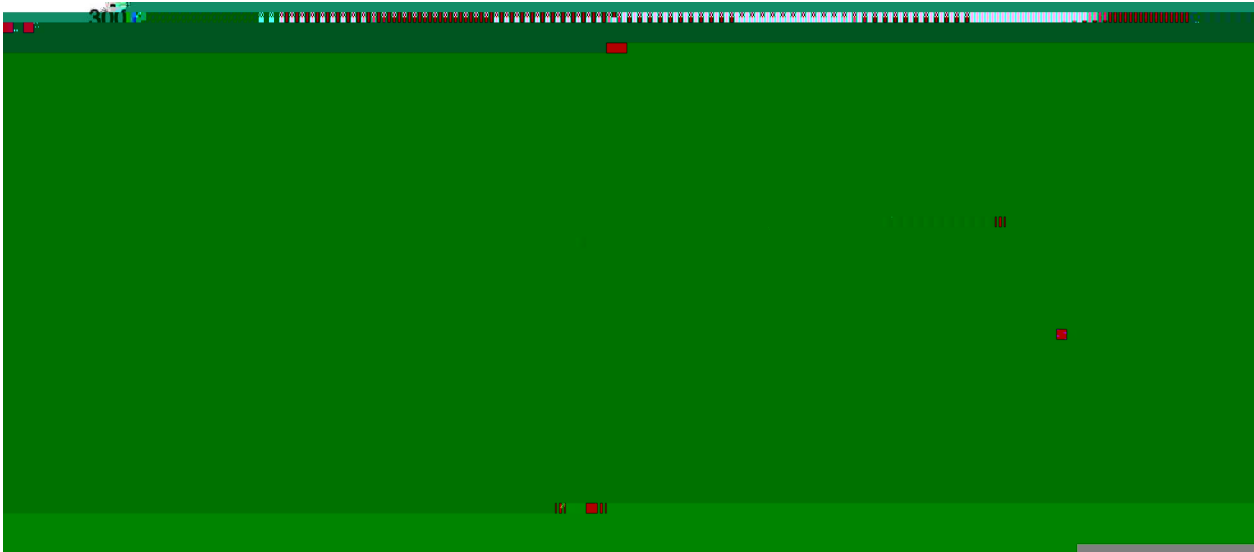
Note:

BR: Company Code.

L7805: Product Type.

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

() / Temperature Profile for Dip Soldering(Pb-Free)



Note:

- 1

25 150

60 90sec;

2

255±5

5±0.5sec;

3

2 10 /sec.
- 1.Preheating:25~150 , Time:60~90sec.

2.Peak Temp.:255±5 , Duration:5±0.5sec.

3. Cooling Speed: 2~10 /sec.

/ Resistance to Soldering Heat Test Conditions

270±5 10±1 sec. Temp:270±5 Time:10±1 sec

/ Packaging SPEC.

/ BULK

Package Type	Units					Dimension (unit mm3)		
	Units/Bag /	Bags/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Bag	Inner Box	Outer Box
TO-220/F	200	10	2,000	5	10,000	135×190	237×172×102	560×245×195

/ TUBE

Package Type	Units					Dimension (unit mm3)		
	Units/Tube /	T45×19 /Innr Bo4.3(69 0 0 9 292.92 50.63ak503 T7.36 0.75	Units/Tu 10,000	5±0.5sec	1 255±5	237×172×102	560×245×195	Units/Tu0.00