

/ Descriptions

TO-3P

Schottky Barrier Diode in a TO-3P Plastic Package.

/ Features

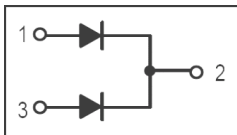
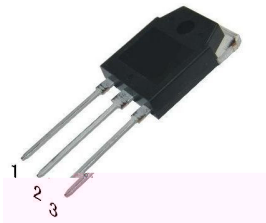
Low forward voltage drop, low power losses, High efficiency operation.

/ Applications

OR-ing

DC-DC

For use in high frequency inverters, switching power supplies, freewheeling diodes, OR-ing diode, dc-to-dc converters and reverse battery protection.

/ Equivalent Circuit**/ Pinning**

PIN1 Anode PIN 2 Cathode PIN 3 Anode

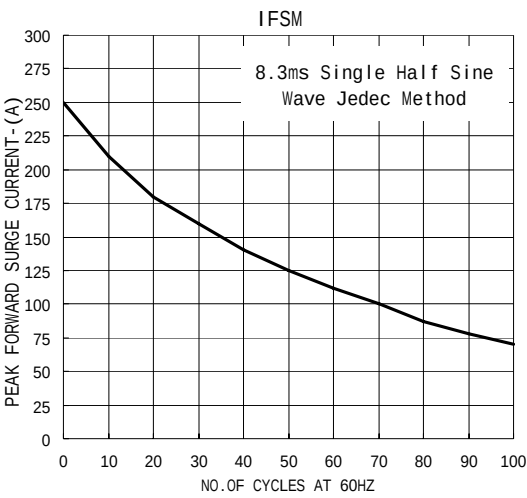
/ h_{FE} Classifications & Marking

See Marking Instructions.

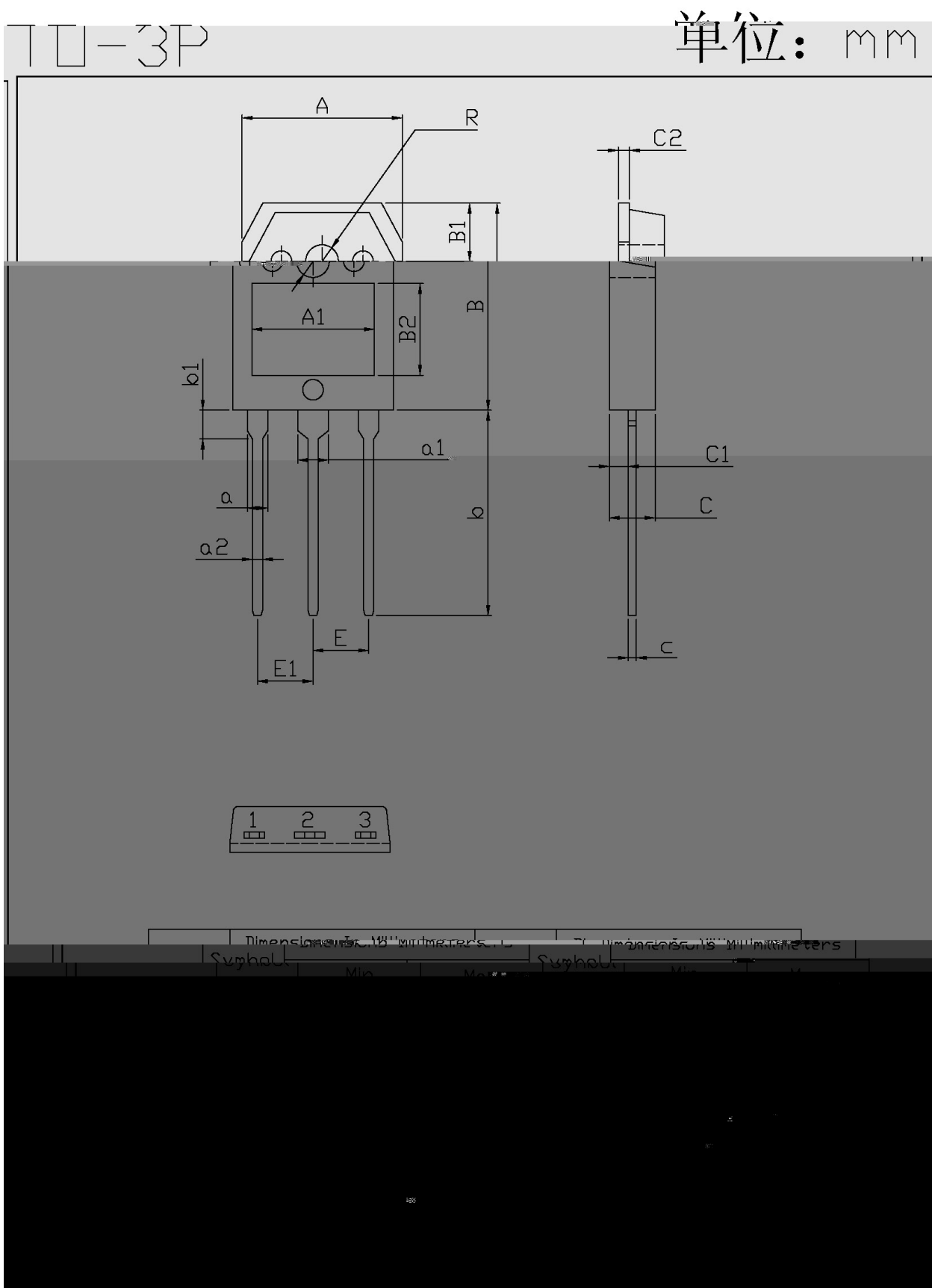
akdown Volt5.1(02 335.1.e.98.701.eVTJ 8re4903 2 0.0027.02 0 0 7..5 340.86 600.2003 2350 5.4903-225.50010.23)

Parameter	Symbol	Rating	Unit
Repetitive peak reverse voltage	V_{RRM}	45	V
Average forward current	$I_{F(AV)}$	2×15	A
Non-Repetitive Peak Forward Surge Current	I_{FSM}	250	A
Thermal Resistance Junction to Ambient case	$R_{\theta Jc}$	1.5	/W
Junction and Storage Temperature Range	T_j T_{stg}	-40 +150	

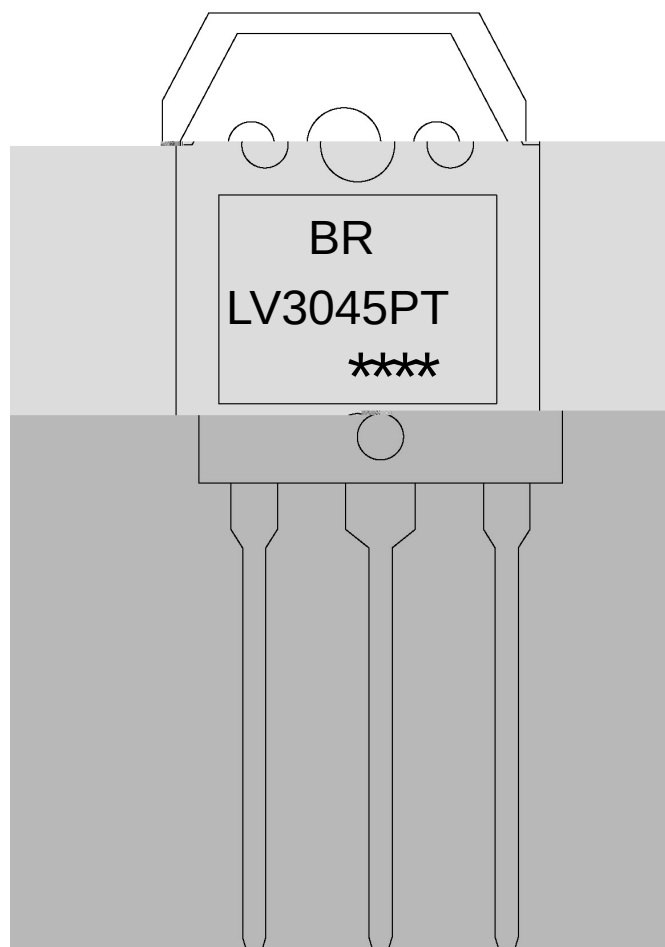
/ Electrical Characteristic Curve



/ Package Dimensions



/ Marking Instructions



BR

LV3045PT

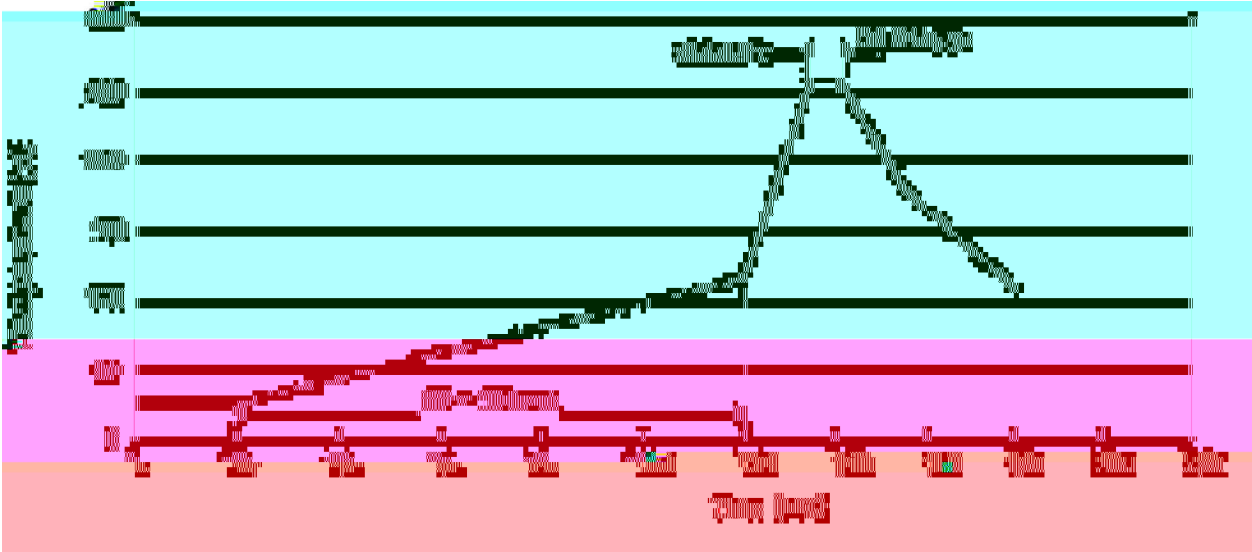
Note:

BR: Company Code.

LV3045PT: 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

°C

, Time:60~90sec.
- 2.Peak Temp.:255±5

°C

, Duration:5±0.5sec.
3. Cooling Speed: 2~10

°C

/sec.

/ Resistance to Soldering Heat Test Conditions

270±5

10±1 sec.

Temp.:270±5

Time:10±1 sec

/ Packaging SPEC.

/ TUBE

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm ³)		
	Units/Tube 只/套管	Tubes/Inner Box 套管/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Tube 套管	Inner Box 盒	Outer Box 箱