

/ Descriptions

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

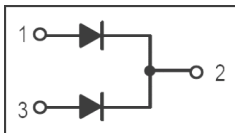
/ Features

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

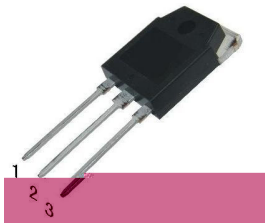
/ Applications

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



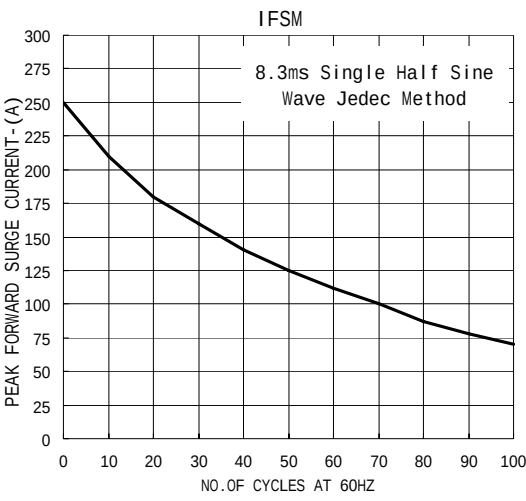
PIN1 Anode PIN 2 Cathode PIN 3 Anode

/ h_{FE} Classifications & Marking

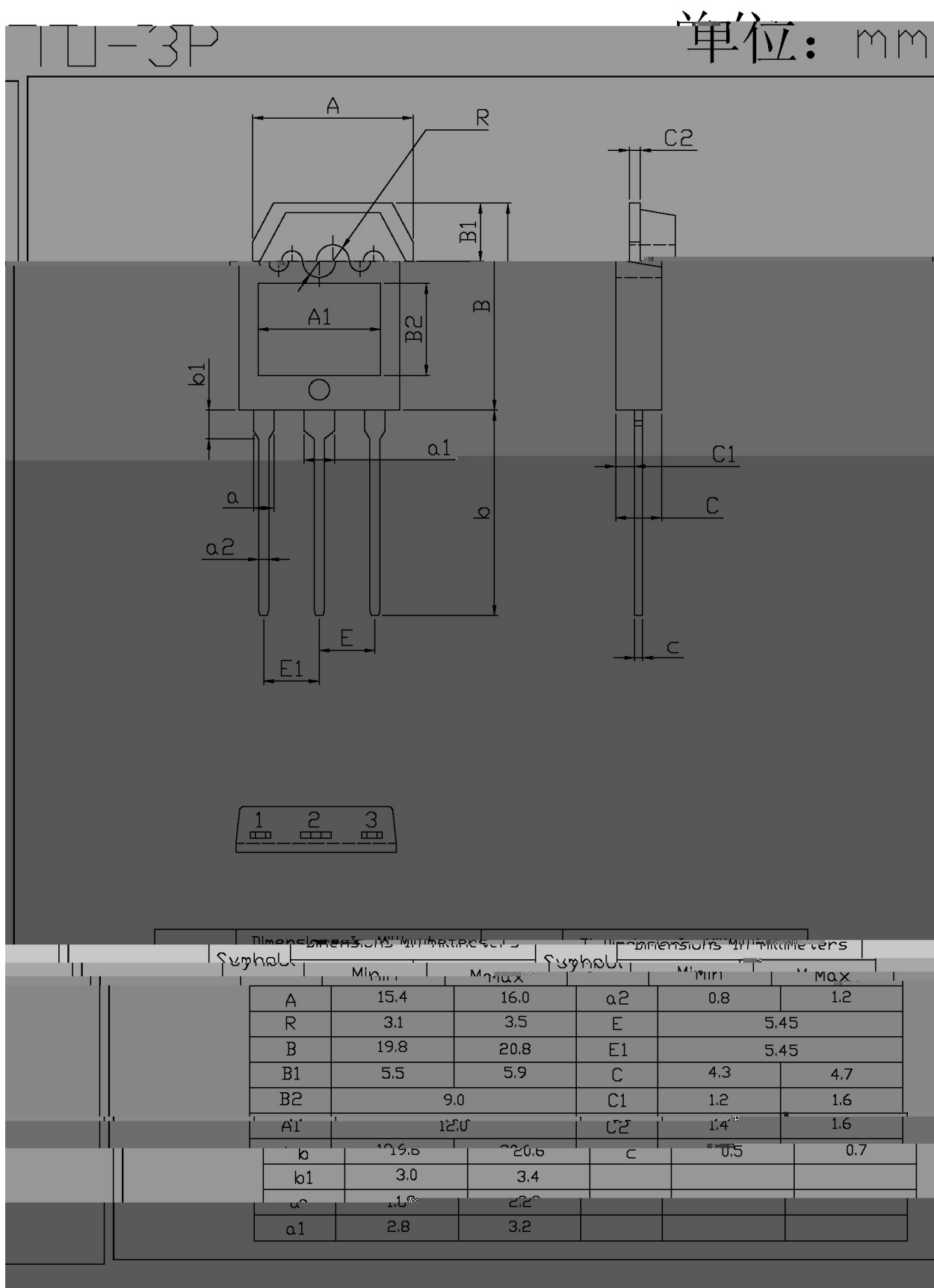
See Marking Instructions.

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	$T_j \quad T_{stg}$	-40 +150	

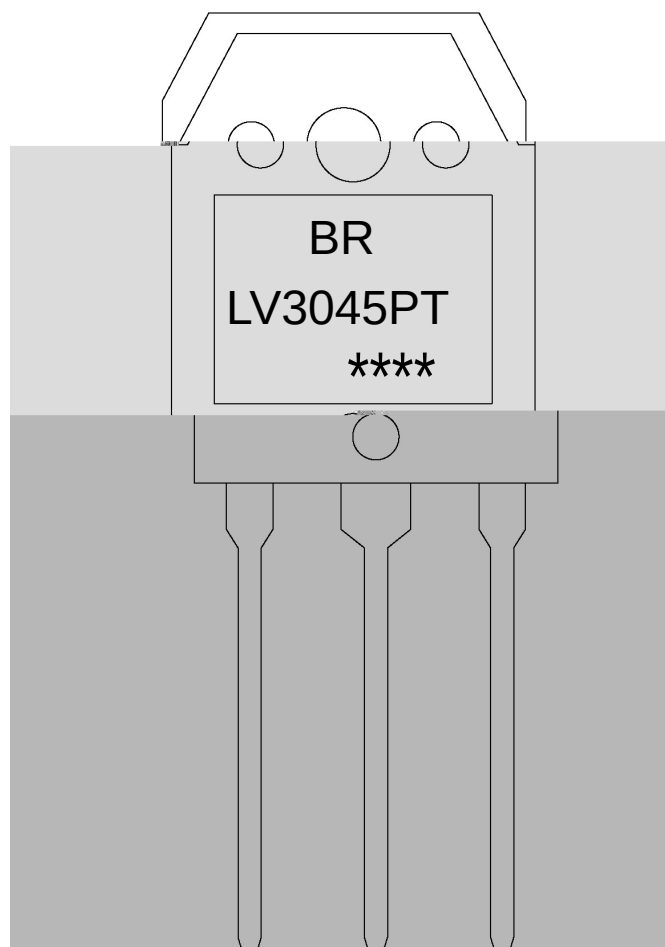
/ Electrical Characteristic Curve



/ Package Dimensions



/ Marking Instructions



Note:

BR: Company Code.

LV3045PT: Product Type.

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

