/ Descriptions

TO-3P

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

/ Features

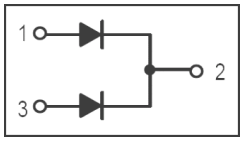
Low forward voltage drop, low power losses, High efficiency operation.

/ Applications

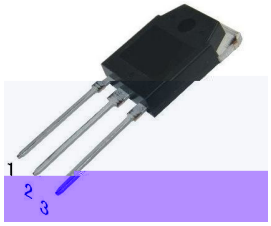
OR-ing DC-DC

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



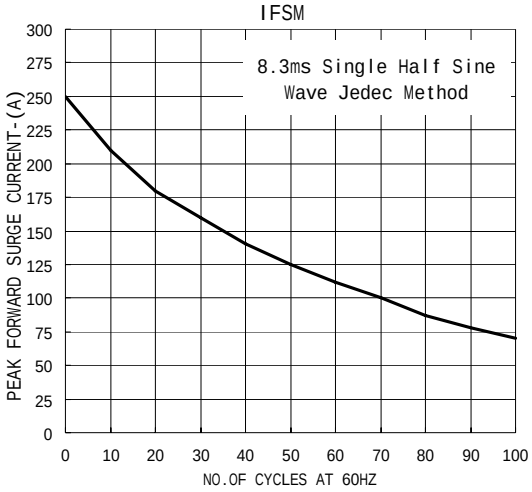
PIN1 Anode PIN 2 Cathode PIN 3 Anode

/ h_{FE} Classifications & Marking

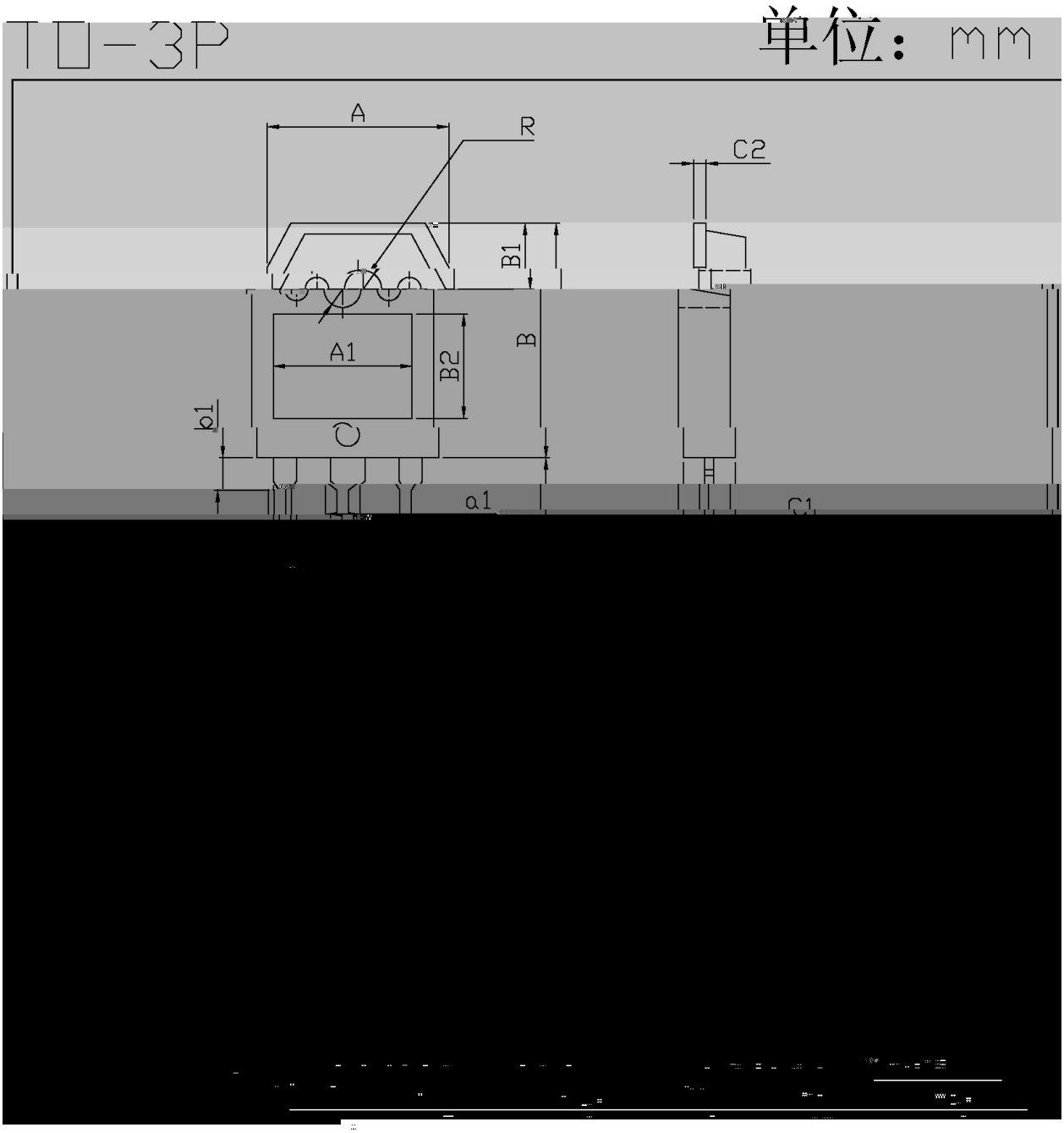
See Marking Instructions.

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	

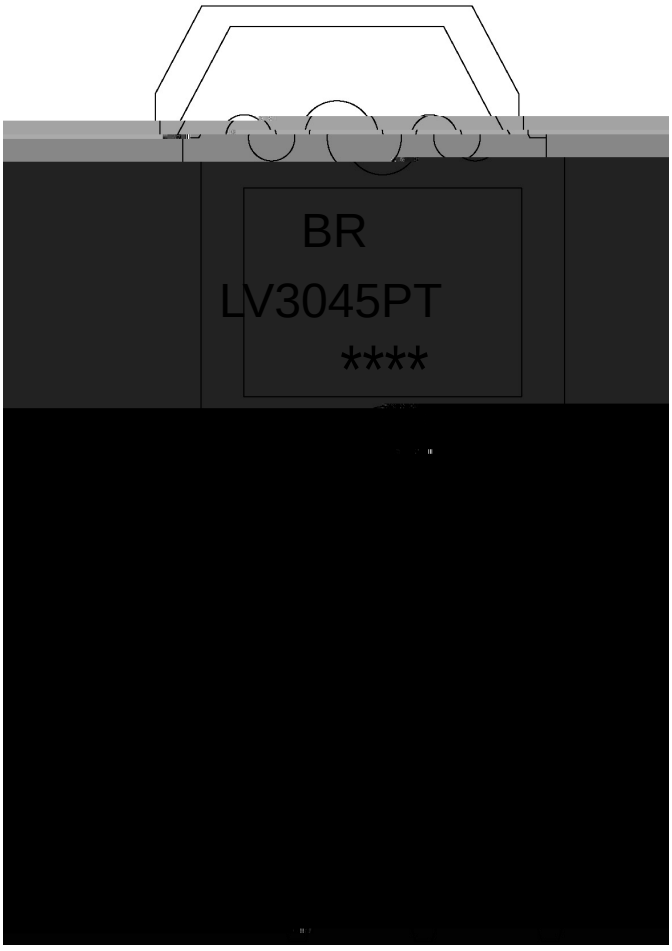
/ Electrical Characteristic Curve



/ Package Dimensions



/ Marking Instructions



BR

LV3045PT

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Note:

BR:	Company Code.
LV3045PT:	Product Type.
****:	Lot No. Code, code change with Lot No.

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