

# LV40100PT

Rev.F Mar.-2016

## / Descriptions

TO-3P

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

## / Features

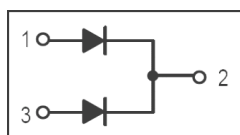
Low forward voltage drop, low power losses, High efficiency operation.

## / Applications

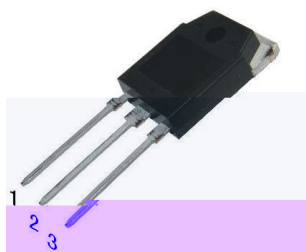
OR-ing      DC-DC

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.

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Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	$V_{RRM}$ $V_{RWM}$ $V_{DC}$	100	V
RMS Reverse Voltage	$V_{RMS}$	70	V
Average forward current	$I_{F(AV)}$	2× 20	A
Non-Repetitive Peak Forward Surge Current	$I_{FSM}$	300	A
Thermal Resistance Junction to Ambient case	$R_{Jc}$	2.8	/W
Operating and Storage Temperature Range	$T_j$ $T_{stg}$	-40 +150	

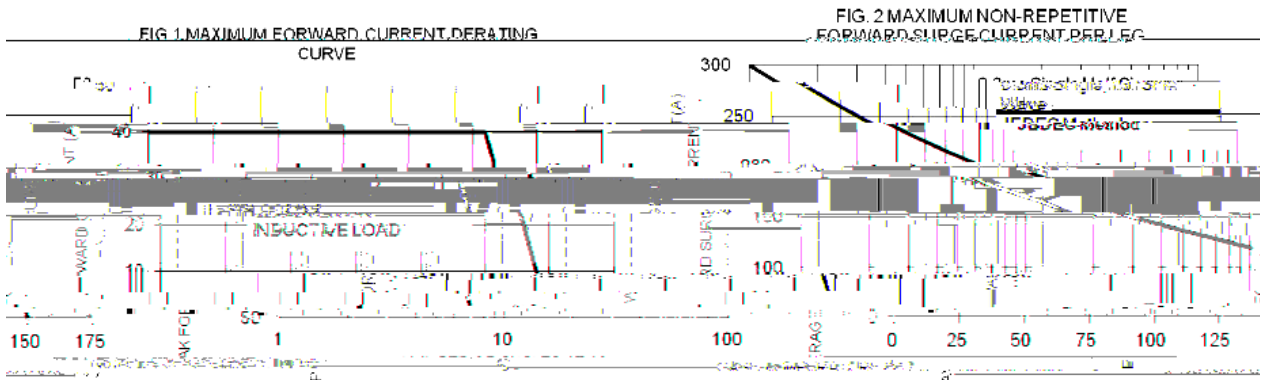
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse Breakdown Voltage	$V_{BR}$	$I_R=1mA(T_a=25^\circ C)$	100			V

$I_F$

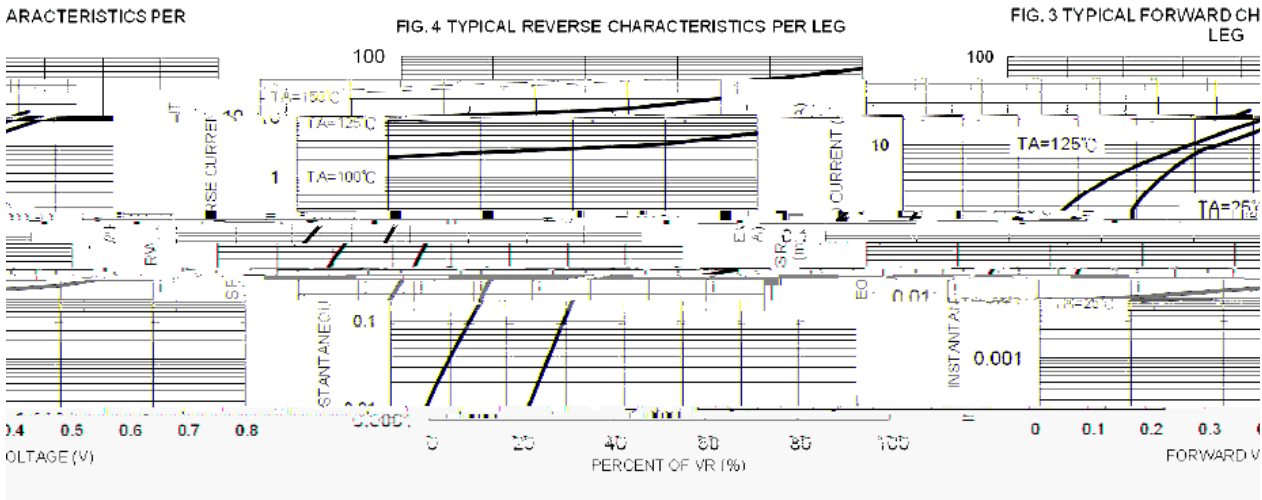
Forward Voltage

$V_F$

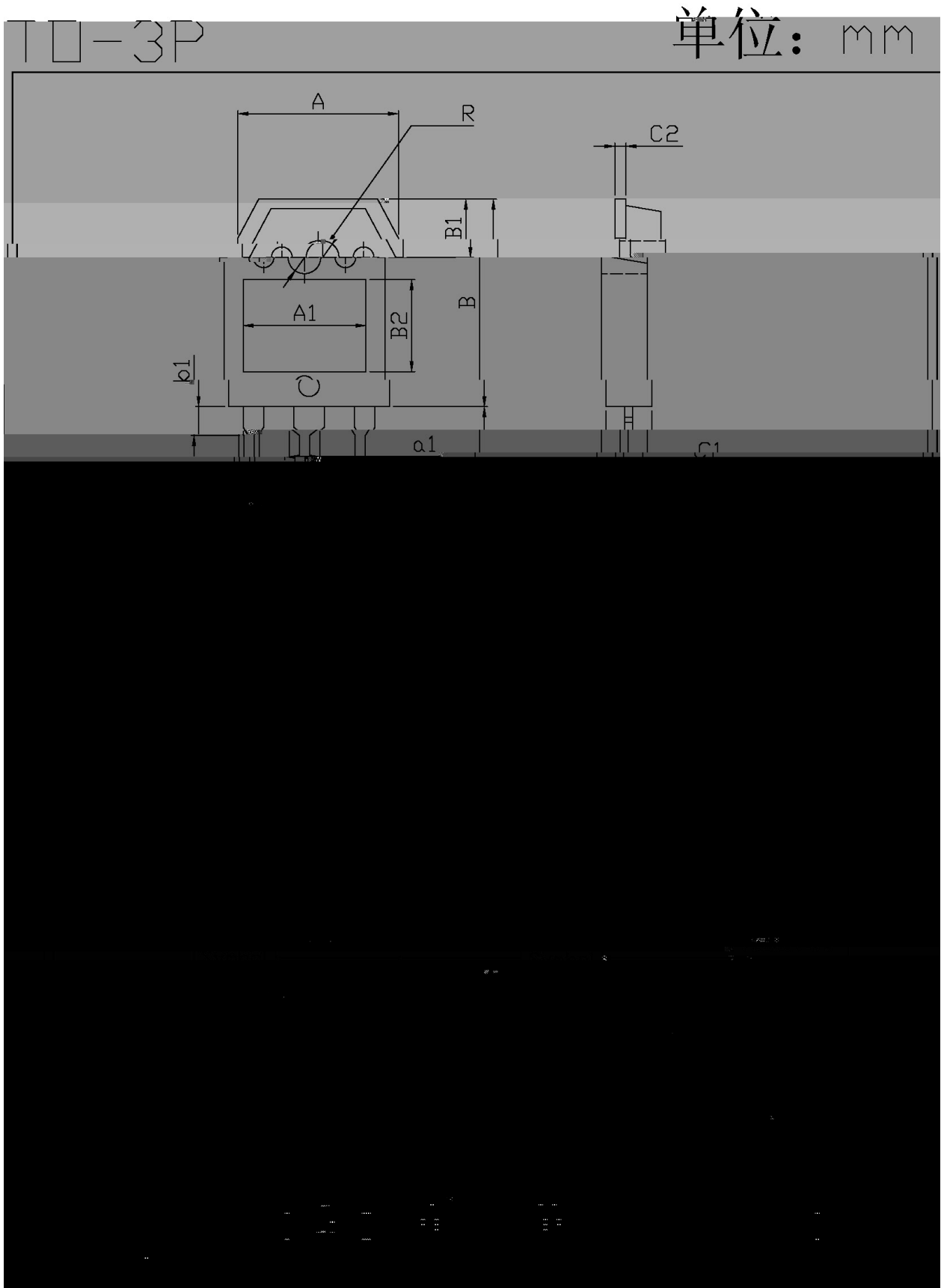
/ Electrical Characteristic Curve



CHARACTERISTICS PER



/ Package Dimensions



/ Marking Instructions



BR

LV40100PT

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Note:

BR: Company Code.

LV40100PT: Product Type.

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

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



- 1            25   150            60   90sec;
- 2            255±5                    5±0.5sec;
- 3                            2   10   /sec.

Note:

- 1.Preheating:25~150 , Time:60~90sec.
- 2.Peak Temp.:255±5 , Duration:5±0.5sec.
- 3. Cooling Speed: 2~10 /sec.

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