

Rev.F Mar.-2016

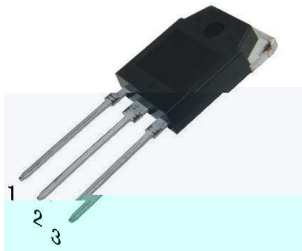
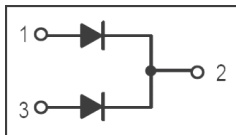
TO-3P

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

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

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.



PIN1 Anode PIN 2 Cathode PIN 3 Anode

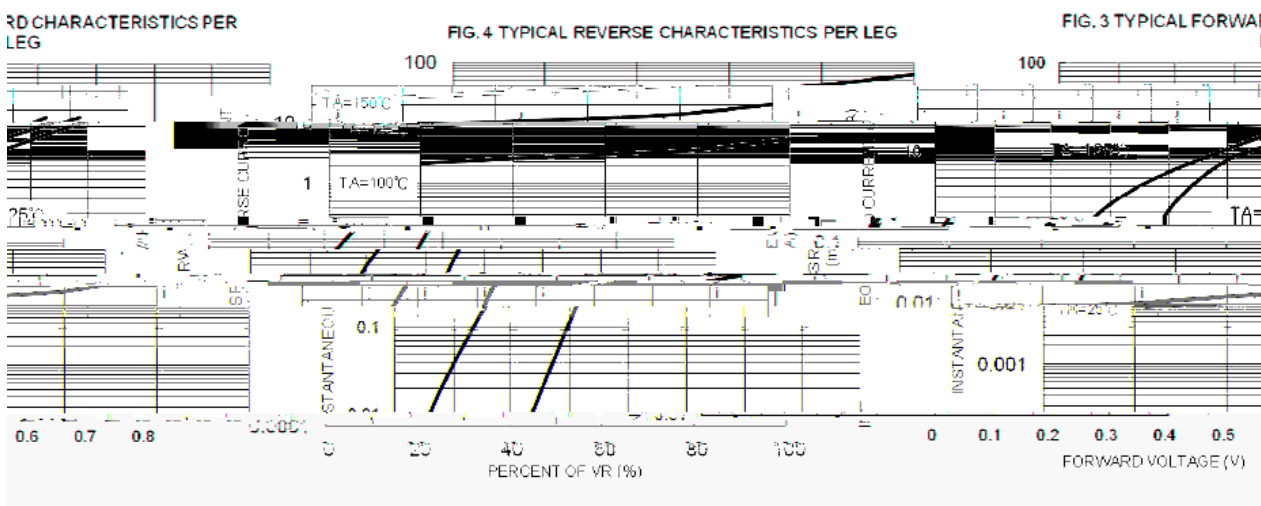
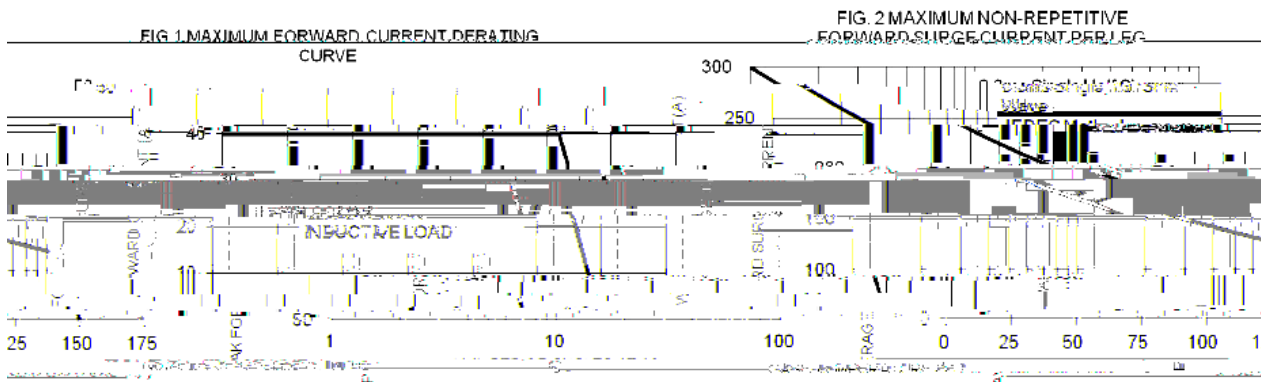
See Marking Instructions.

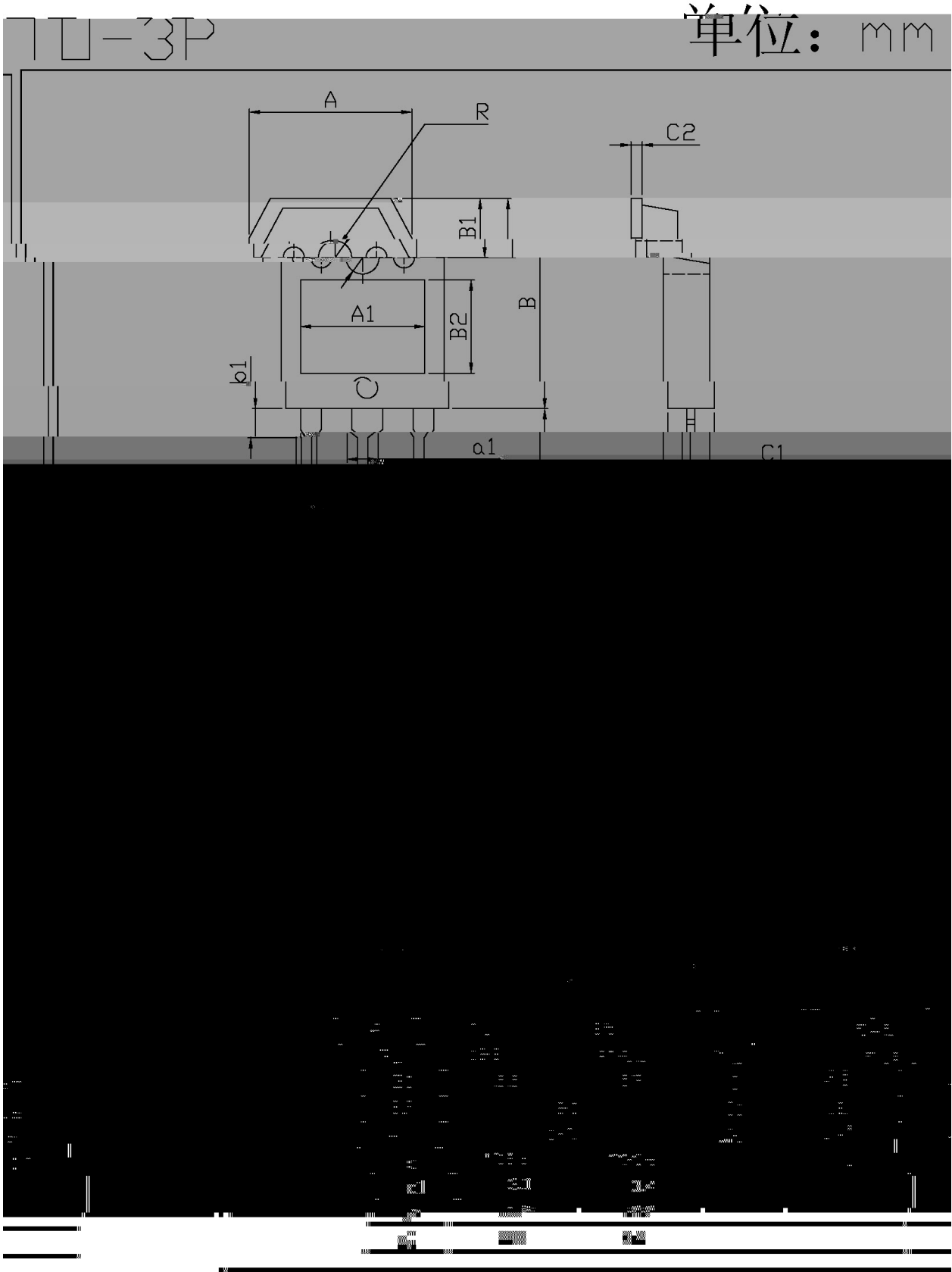
Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V_{RRM} V_{RWM} V_{DC}	100	V
RMS Reverse Voltage	V_{RMS}	70	V
Average forward current	$I_{F(AV)}$	2 20	A
Non-Repetitive Peak Forward Surge Current	I_{FSM}	300	A
Thermal Resistance Junction to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

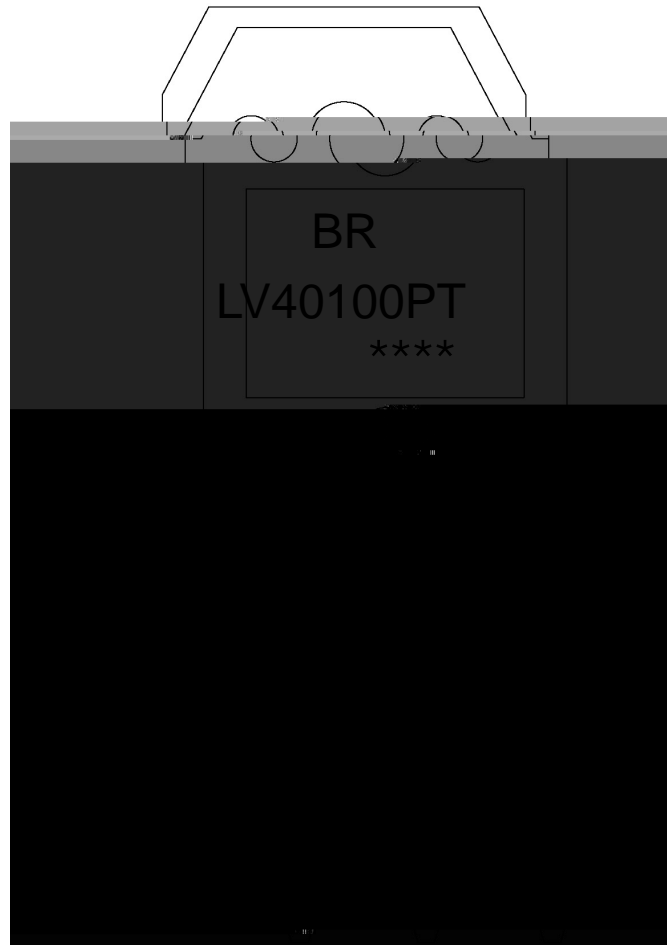
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse Breakdown Voltage	V_{BR}	$I_R=1mA(T_a=25^\circ C)$	100			V

$I_F=1.57A, T_f=3.3ms, C_{T1}=57pF, C_{T2}=100pF, D=0.3, T_{stg}=100^\circ C, T_c=1.8ms, R_{\theta jc}=10^\circ C/W$

Forward Voltage V_F







BR

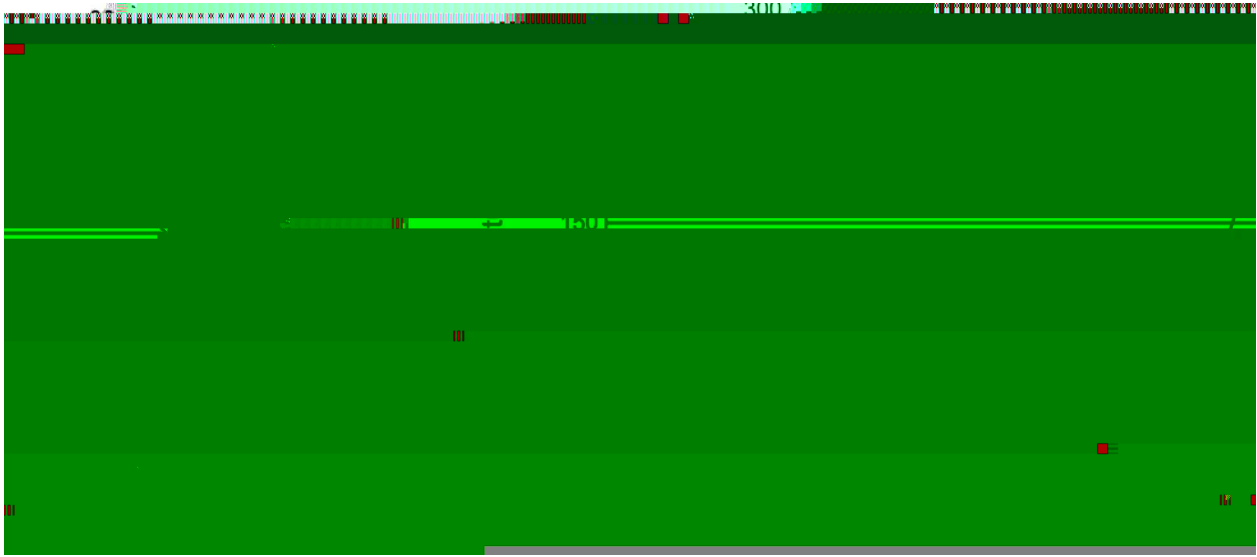
LV40100PT

Note:

BR: Company Code.

LV40100PT: Product Type.

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



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

±