

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

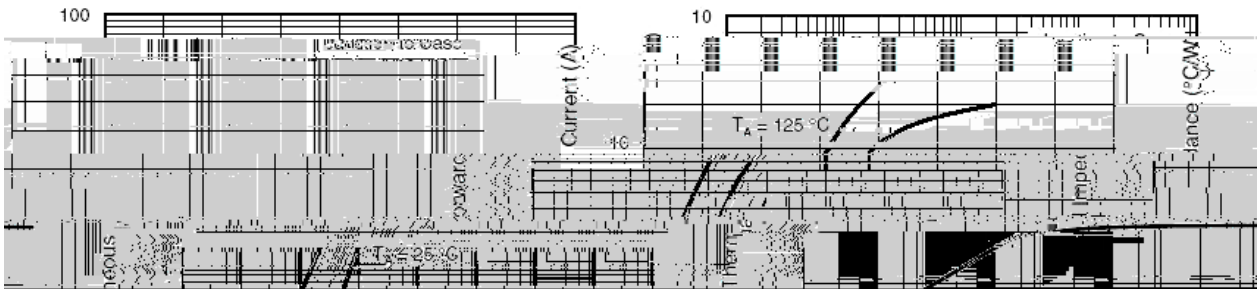
For use in high frequency inverters, switching pow

Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	$V_{RM}$ $V_{RWM}$ $V_{DC}$	150	V
RMS Reverse Voltage	$V_{RMS}$	105	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	$R_{Jc}$	4.6	/W
Operating and Storage Temperature Range	$T_j$ $T_{stg}$	-40 +150	

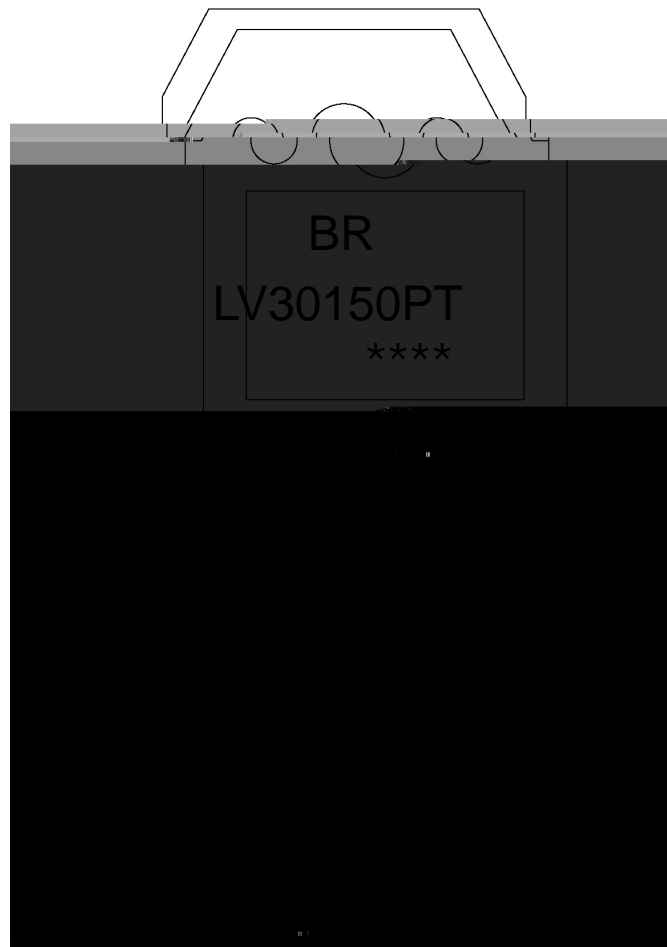
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse Breakdown Voltage	$V_{BR}$	$I_R=1mA(T_a=25^\circ C)$	150			V
Forward Voltage	$V_F$	$I_F=5A(T_a=25^\circ C)$		0.69	0.75	V
		$I_F=10A(T_a=25^\circ C)$		0.76	0.85	V
		$I_F=15A(T_a=25^\circ C)$		0.81	0.90	V
		$I_F=5A(T_a=125^\circ C)$		0.55		V
		$I_F=10A(T_a=125^\circ C)$		0.62		V
		$I_F=15A(T_a=125^\circ C)$		0.67	0.75	V
Instantaneous Reverse current (Note 1)	$I_R$ Note 1	$V_R=150V(T_a=25^\circ C)$		4	20	$\mu A$
		$V_R=150V(T_a=125^\circ C)$		5	10	mA

/Notes

1. /Short duration pulse test used to minimize self-heating effect.
2. / Unless otherwise noted, values for the parameters of a single chip.







BR

LV30150PT

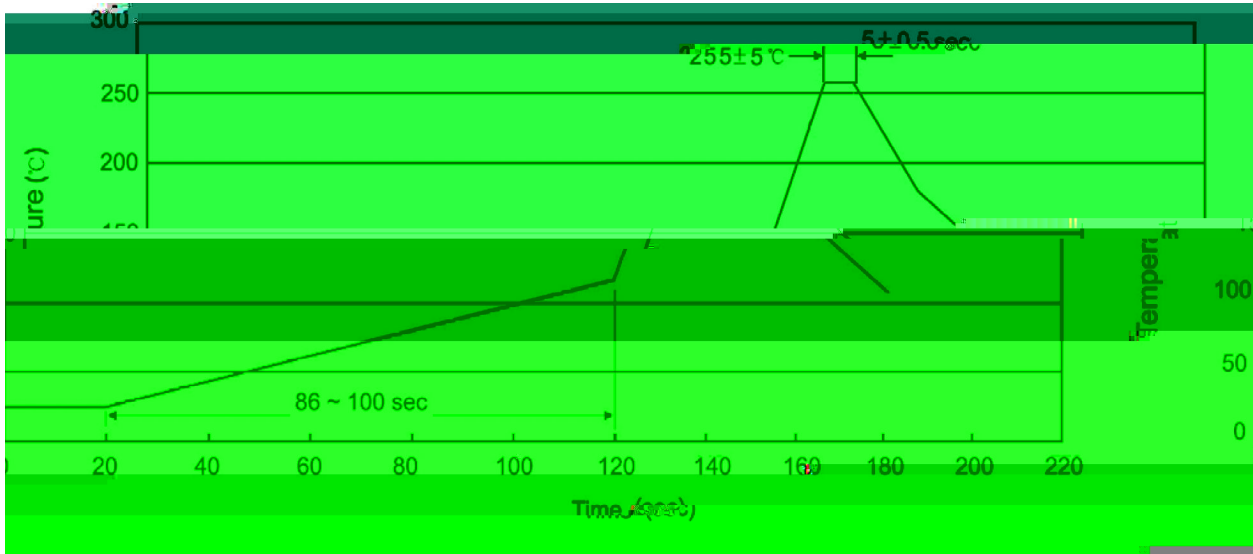
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Note:

BR: Company Code.

LV30150PT: Product Type.

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


**Note:**

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

270±5

10±1 sec.

Temp.:270±5

Time:10±1 sec

## / TUBE

Package Type	Units					Dimension (unit mm <sup>3</sup> )		
	Units/Tube	Tubes/Inner Box	Units/Inner Box	Inner Boxes/Outer Box	Units/Outer Box	Tube	Inner Box	Outer Box
TO-3P	30	15	450	5	2250	497.5×46×8	555×164×50	575 290 180