

TO-220F

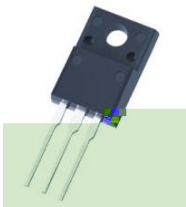
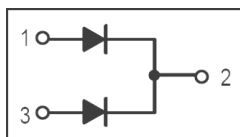
Schottky Diode in a TO-220F Plastic Package.

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_{RM} V_{RSM} V_{DC}	100	V
RMS Voltage	V_{RMS}	70	V
Average Rectified Forward Current	$I_{F(AV)}$	2×5	A
Non Repetitive Peak Surge Current	I_{FSM}	80	A
Thermal Resistance Junction to Case	$R_{\theta Jc}$	4.5	/W
Junction and Storage Temperature Range	T_j T_{stg}	-40 +150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Breakdown Voltage	V_{BR}	$I_R=1mA(T_a=25^\circ C)$	100			V
Forward Voltage	V_F	$I_F=3A(T_a=25^\circ C)$		0.59	0.65	V
		$I_F=3A(T_a=125^\circ C)$		0.53	0.60	V
		$I_F=5A(T_a=25^\circ C)$		0.69	0.75	V
		$I_F=5A(T_a=125^\circ C)$		0.61	0.65	V
Instantaneous Reverse Current	I_R Note 1	$V_R=100V(T_a=25^\circ C)$			50	μA
		$V_R=100V(T_a=125^\circ C)$		3.0	10	mA

/Notes

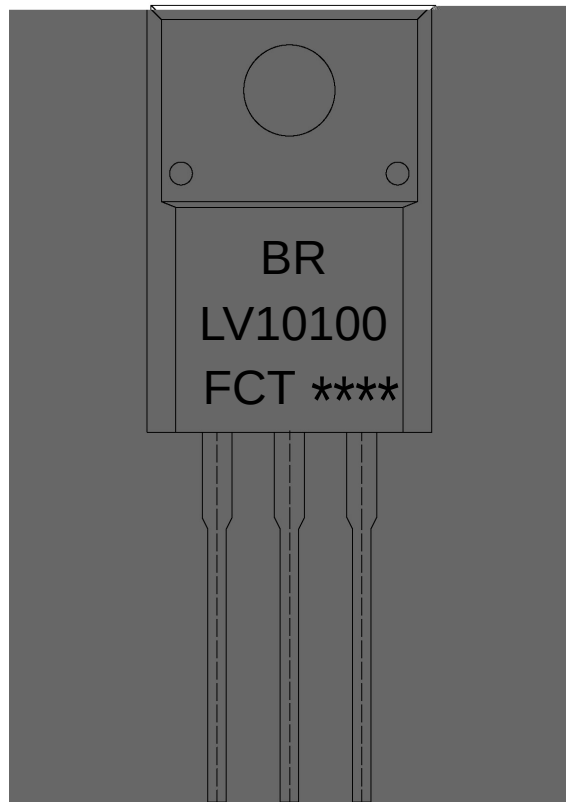
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BR

LV10100

F:

CT:

Note:

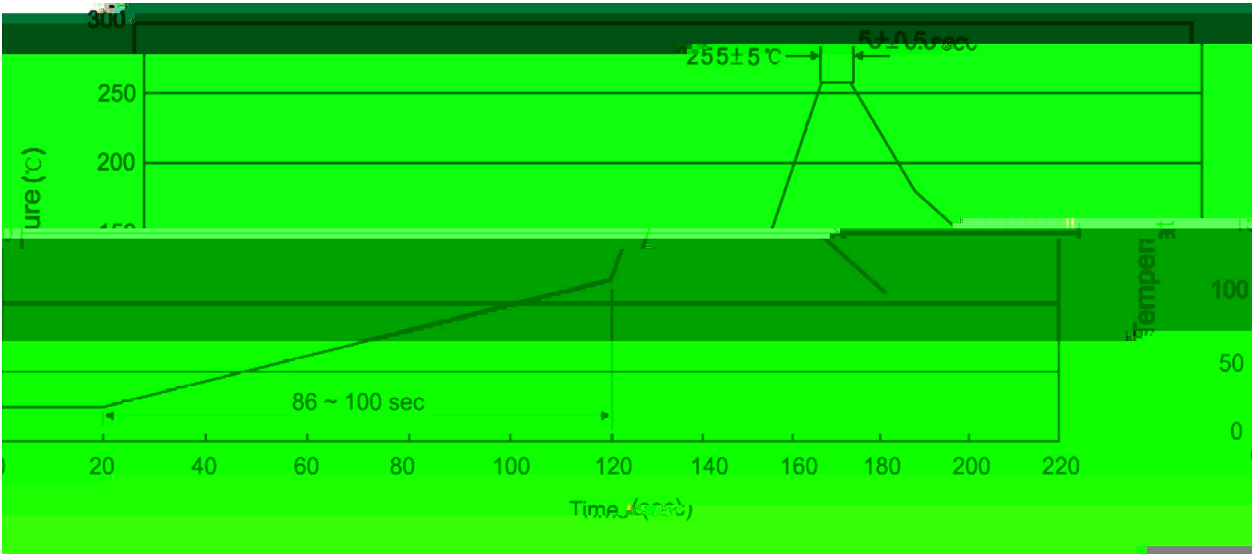
BR: Company Code

LV10100: Product Type Code.

F Package Code

CT: Internal Structure

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



- Note:

1251506090sec;

2255±55±0.5sec;

3210/sec.
- 1.Preheating:25~150 , Time:60~90sec.

2.Peak Temp.:255±5 , Duration:5±0.5sec.

3. Cooling Speed: 2~10 /sec.

270±510±1 sec.Temp.:270±5Time:10±1 sec

/ BULK

Package Type	Units					Dimension (unit mm ³)		
	Units/Bag	Bags/Inner Box	Units/Inner Box	Inner Boxes/Outer Box	Units/Outer Box	Bag	Inner Box	Outer Box
TO-220/F	200	10	2,000	5	10,000	135×190	237×172×102	560×245×195

/ TUBE

Package Type	Units	Dimension (unit mm ³)
Units/Tube		