WR0553I ṂṂŁ ⸗ g‿ ‖ ㄱ

Schottky Barrier Diode in a TO-220F Plastic Package.

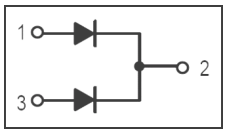
Ḥ* ᵇ я ∪ ı Ḥ ı ǎ ̈Ω ı ≍ ѽ ' ﻅ Φ

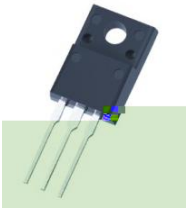
Low forward voltage drop,low power losses,High efficiency operation.

ᵹ ≍ ḷ ' ڜ ψ ʜ ı Ả ʜ ɔ ◊ ı ㅅ ㅣ‾ ‖ ㄱ ı RU0lqj ‾ ‖ ㄱ ı GF0GF ḉ ̈Ω ʜ ⊐ ɔ – ɾ ᵇ ȝ ǐ

For use in high frequency inverters, switching power supplies, freewheeling diodes,

OR-ing diode, dc-to-dc converters and reverse battery protection.





PIN1 χ Anode PIN 2 χ Cathode PIN 3 χ Anode

ծ м ㄱ ب ˝ See Marking Instructions.

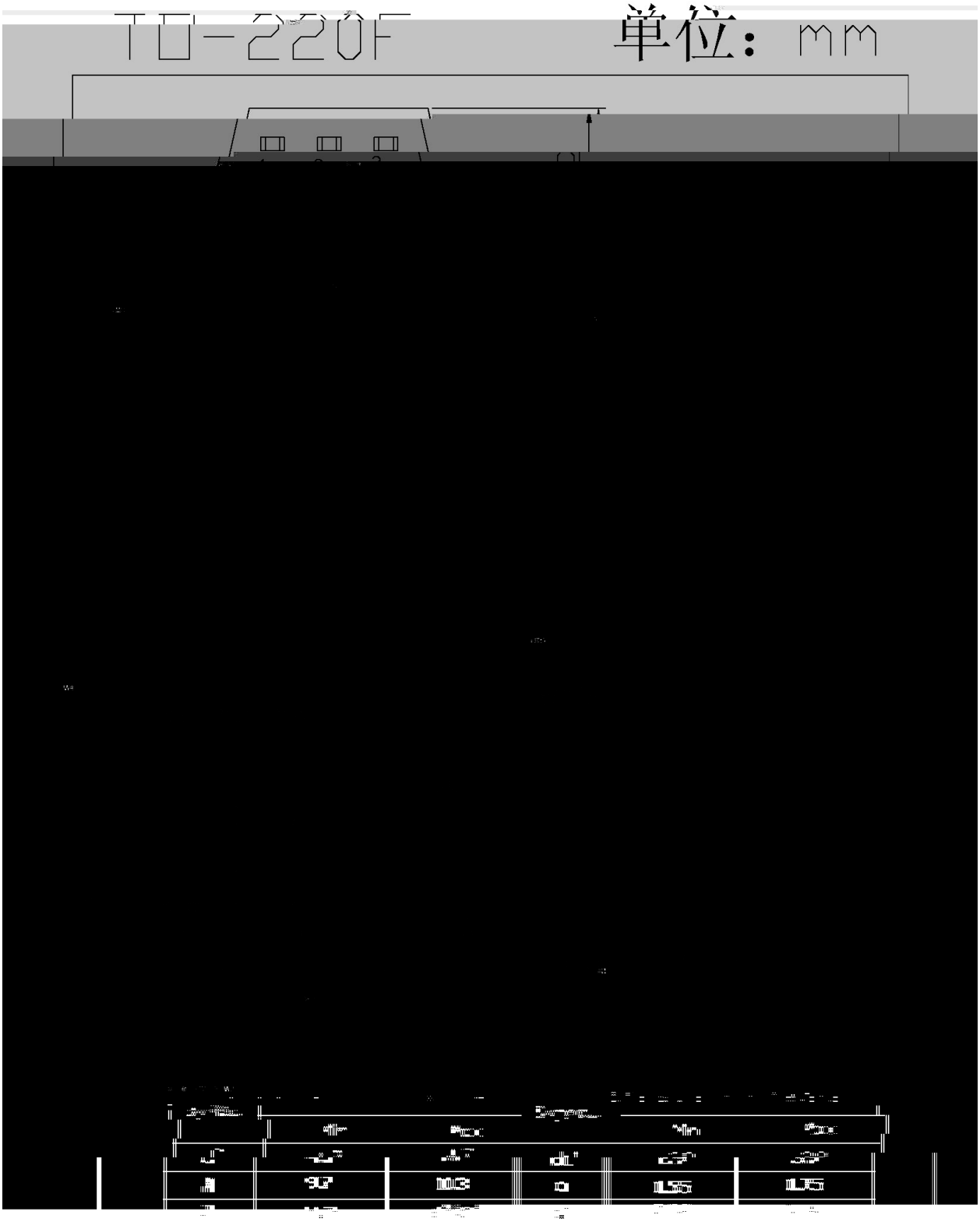
v ̈Ω Parameter	ϒ N Symbol	̈Ω Ö Rating	D Ч Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V_{RM} V_{RSM} V_{DC}	150	V
RMS Voltage	V_{RMS}	105	V
Average Rectified Output Current	$I_{F(AV)}$	2 × 20	A
Non Repetitive Peak Surge Current	I_{FSM}	300	A
Thermal Resistance Junction to Case	$R_{\theta Jc}$	4.0	/W
Junction and Storage Temperature Range	T_j T_{stg}	-40 +150	

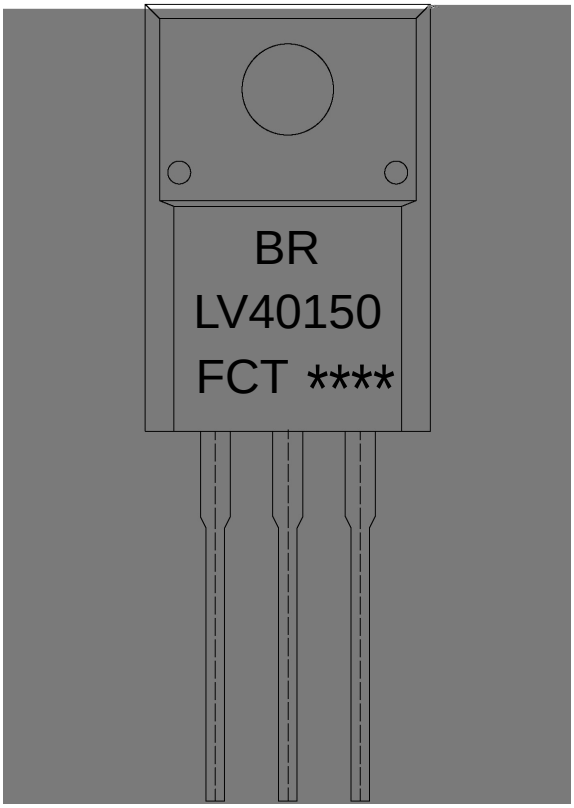
v ̈Ω Parameter	ϒ N Symbol	╝ :╢ Ţ Test Conditions	ώ ṇ Ö Min	Ε ʒ Ö Typ	ώ ᶻ Ö Max	D Ч Unit
Breakdown Voltage	V_{BR}	I_R=1mA(Ta=25)	150			V
Forward Voltage	V_F	I_F =5A(Ta=25)		0.68		V
		I_F =10A(Ta=25)		0.76		V
		I_F =20A(Ta=25)		0.89	1.05	V
		I_F =5A(Ta=125)		0.56		V
		I_F =10A(Ta=125)		0.63		V
		I_F =20A(Ta=125)		0.73	0.85	V
Instantaneous Reverse Current	I_R Note 1	V_R=150V(Ta=25)		3.0	30	μA
		V_R=150V(Ta=125)		5.0	15	mA

├/Notes

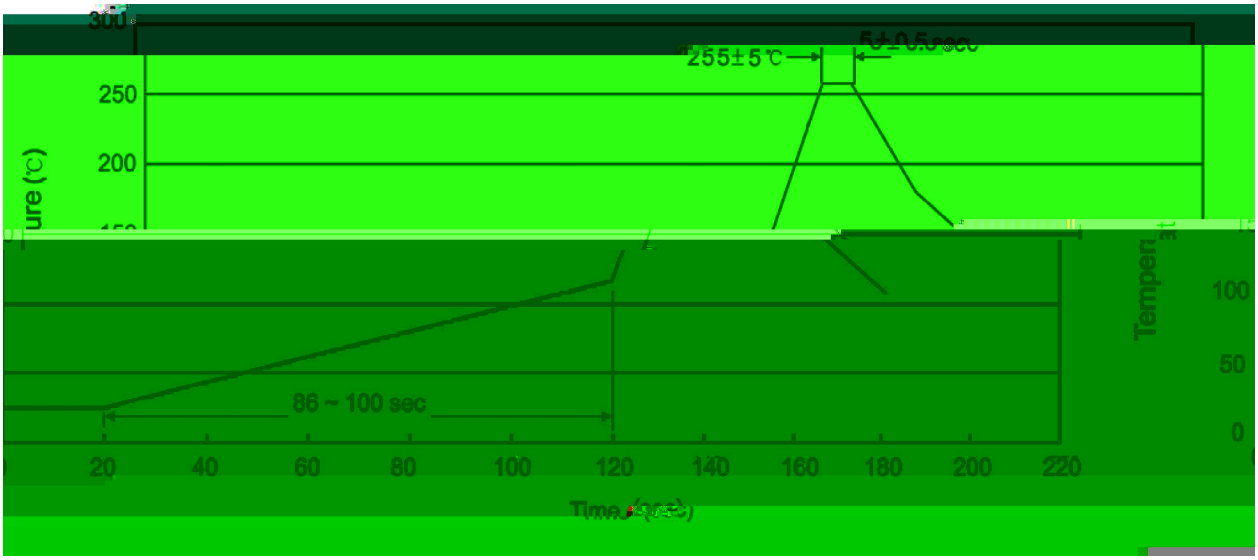
1. Æ ŧ Ⅱ ˜ ▯╝ : ˋH ɔ ı Ω ő ¿ ̊ ̊ Ņ ♬ ѽ Ẓ /Short duration pulse test used to minimize self-heating effect.

2. ь ̊ ᵉ ┼ ˝ ı ̈Ω Ö ʜ Ѧ Ъ Ɑ▯ v ̈Ω / Unless otherwise noted, values for the parameters of a h


TO-220F
单位：mm



EU χ	
0Y73483 χ	
I=	
FW=	
---- χ	
Note:	
BR:	Company Code
LV40150 χ	Product Type
F:	Package Code
CT:	Internal Structure
****:	Lot No. Code, code change with Lot No.



ب ˝ χ

1 Ĺ ♬ □ ỷ 25 Ḱ 150 ɬ ı ˋH ڑ 60 Ḱ 90sec;

2 Š Ө □ ỷ 255 ° 5 ɬ ı ˋH ڑ ˋY ﾉ ᦒ 5 ° 0.5sec;

3 ì ˙ ϒ ˛ ɔ ᦋ ỷ ᦒ 2 Ḱ 10 ɬ /sec.

Note:

1.Preheating:25~150 ɬ , Time:60~90sec.

2.Peak Temp.:255 ° 5 ɬ , Duration:5 ° 0.5sec.

3. Cooling Speed: 2~10 ɬ /sec.

□ ỷ χ 270 ° 5 ɬ ˋH ڑ χ 10 ° 1 sec. Temp.:270±5 Time:10±1 sec

ˈQ ţ ɣ Ь / BULK

Package Type	Units					Dimension		(unit mm³)
	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

˛ ϒ Ь / TUBE

Package Type	Units					Dimension		(unit mm³)
	Units/Tube /	Tubes/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Tube	Inner Box	Outer Box
TO-220/F	50	20	1,000	5	5,000	532×31.4×5.5	555×164×50	575×290×180