/ Descriptions

Schottky Barrier Diode in a TO-220 Plastic Package.

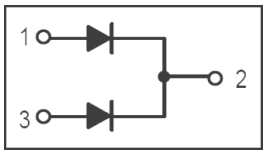
/ Features

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

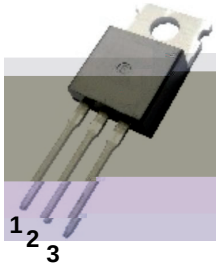
/ Applications

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

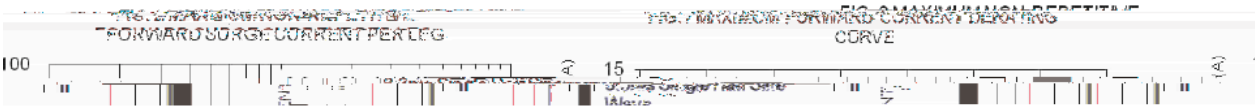
See Marking Instructions.

ol	Rating	Unit
	100	V
	70	V
	2 × 5	A
	80	A
	2.8	/W
tg	-40 +150	

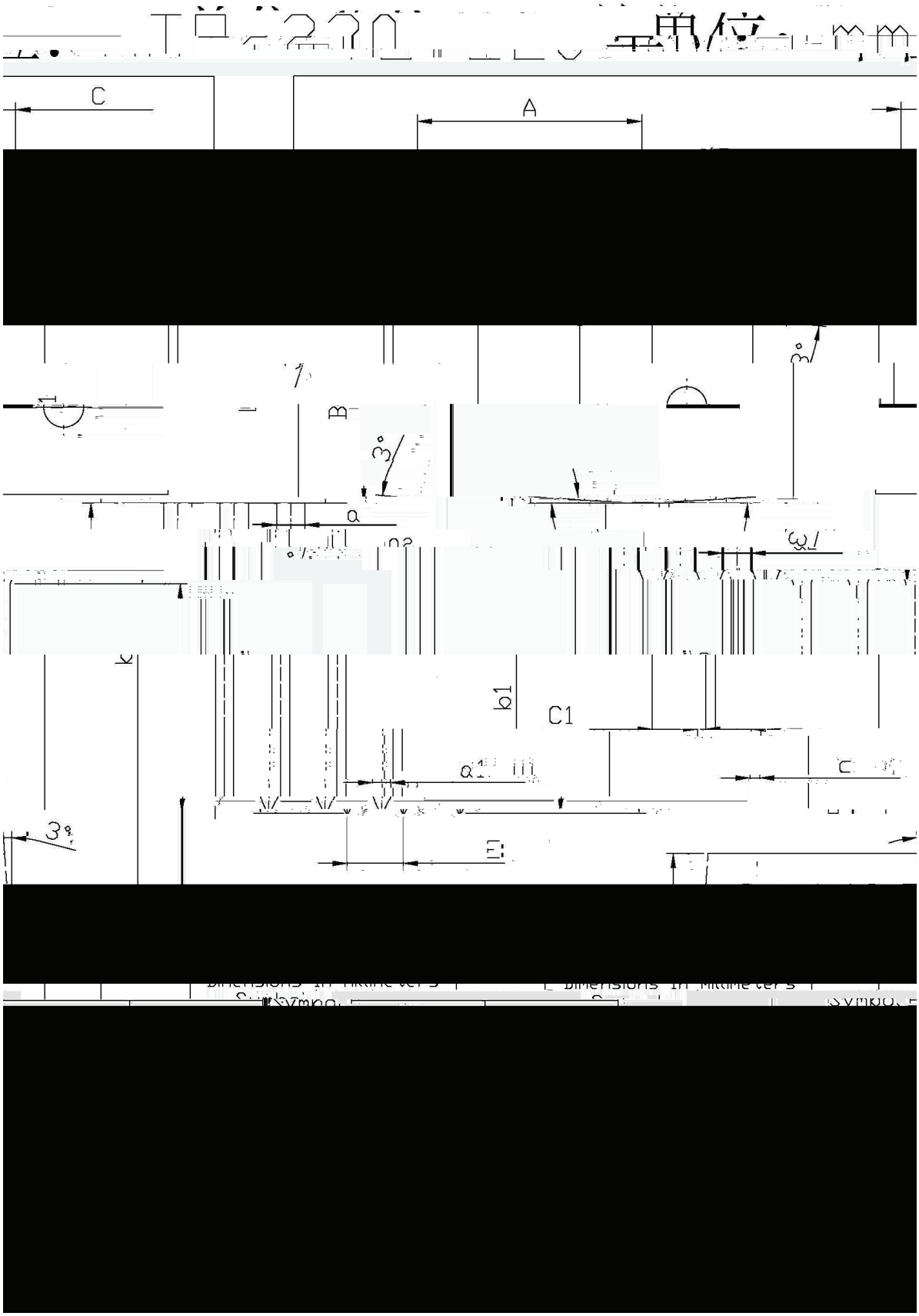
ns	Min	Typ	Max	Unit
)	100			V
		0.59		V
		0.69	0.75	V
		0.53		V
I_F =5A(Ta=125)		0.61	0.65	V
V_R=100V(Ta=25)		5.0	50	μA
V_R=100V(Ta=125)		3.0	10	mA

Instantaneous Reverse Current	I_R Note 1	I_F =5A(Ta=125)		0.61	0.65	V
		V_R=100V(Ta=25)		5.0	50	μA
		V_R=100V(Ta=125)		3.0	10	mA

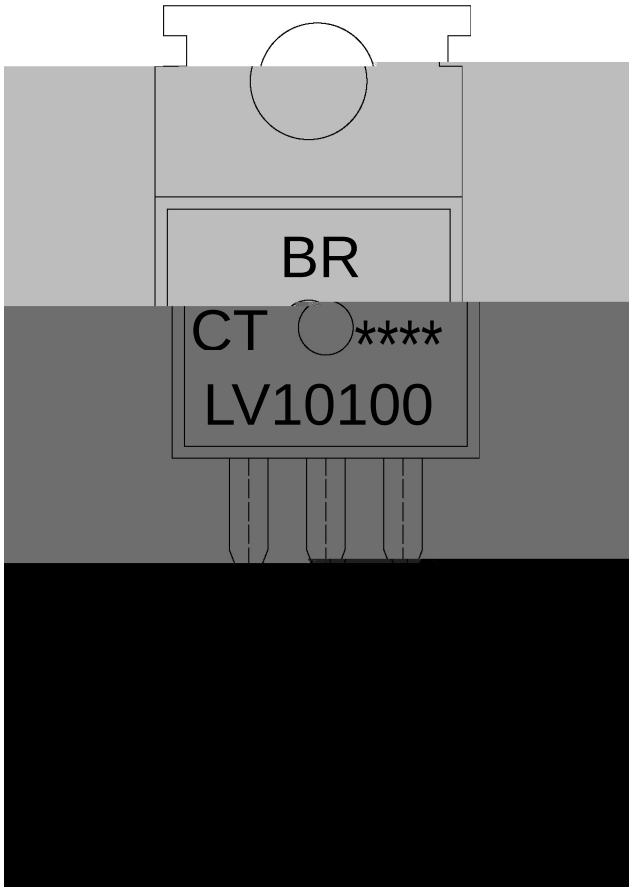
/ Electrical Characteristic Curve



/ Package Dimensions



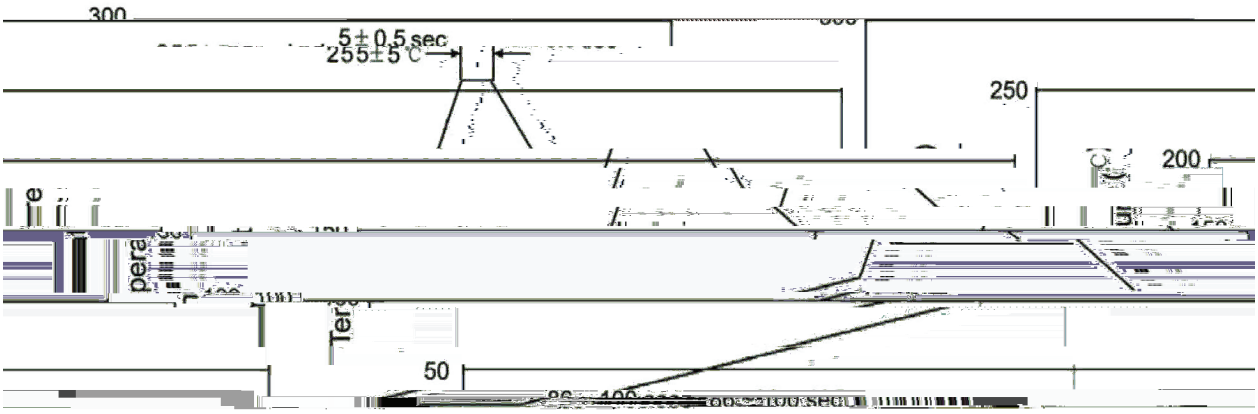
/ Marking Instructions



Note:

BR:	Company Code
LV10100	Product Type.
CT:	Internal Structure
****:	Lot No. Code, code change with Lot No.

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



	Note:
1 25 150 60 90sec;	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.

/ Resistance to Soldering Heat Test Conditions

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

/ Packaging SPEC.

/ 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

/ 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

/ Notices