

/ Descriptions

KF \$))'
TO-220 Plastic package Schottky diode .

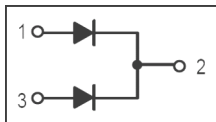
/ Features

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

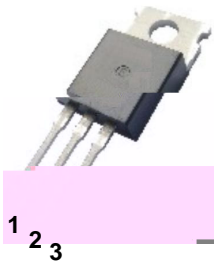
/ Applications

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

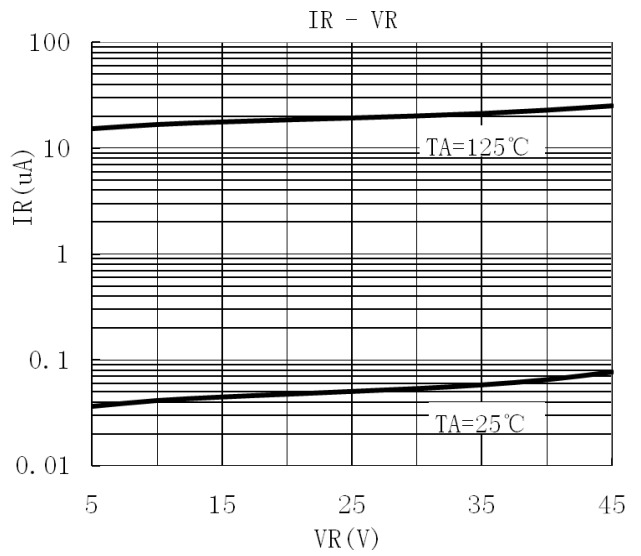
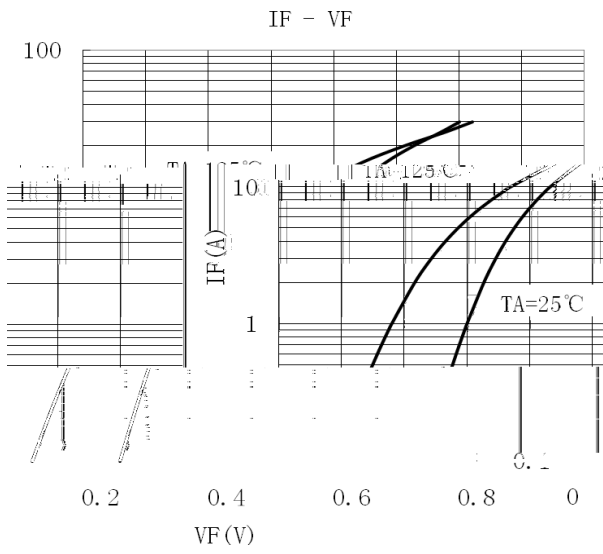
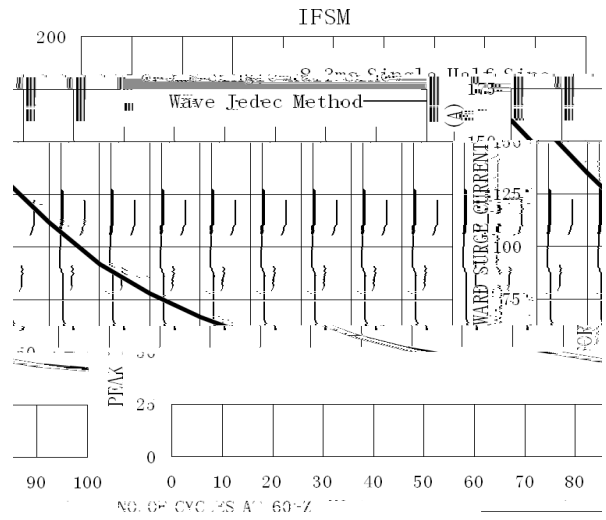
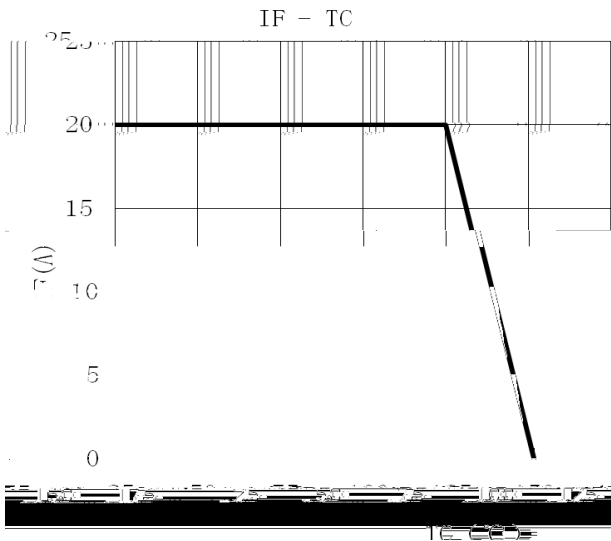
See Marking Instructions.

LV2045CT

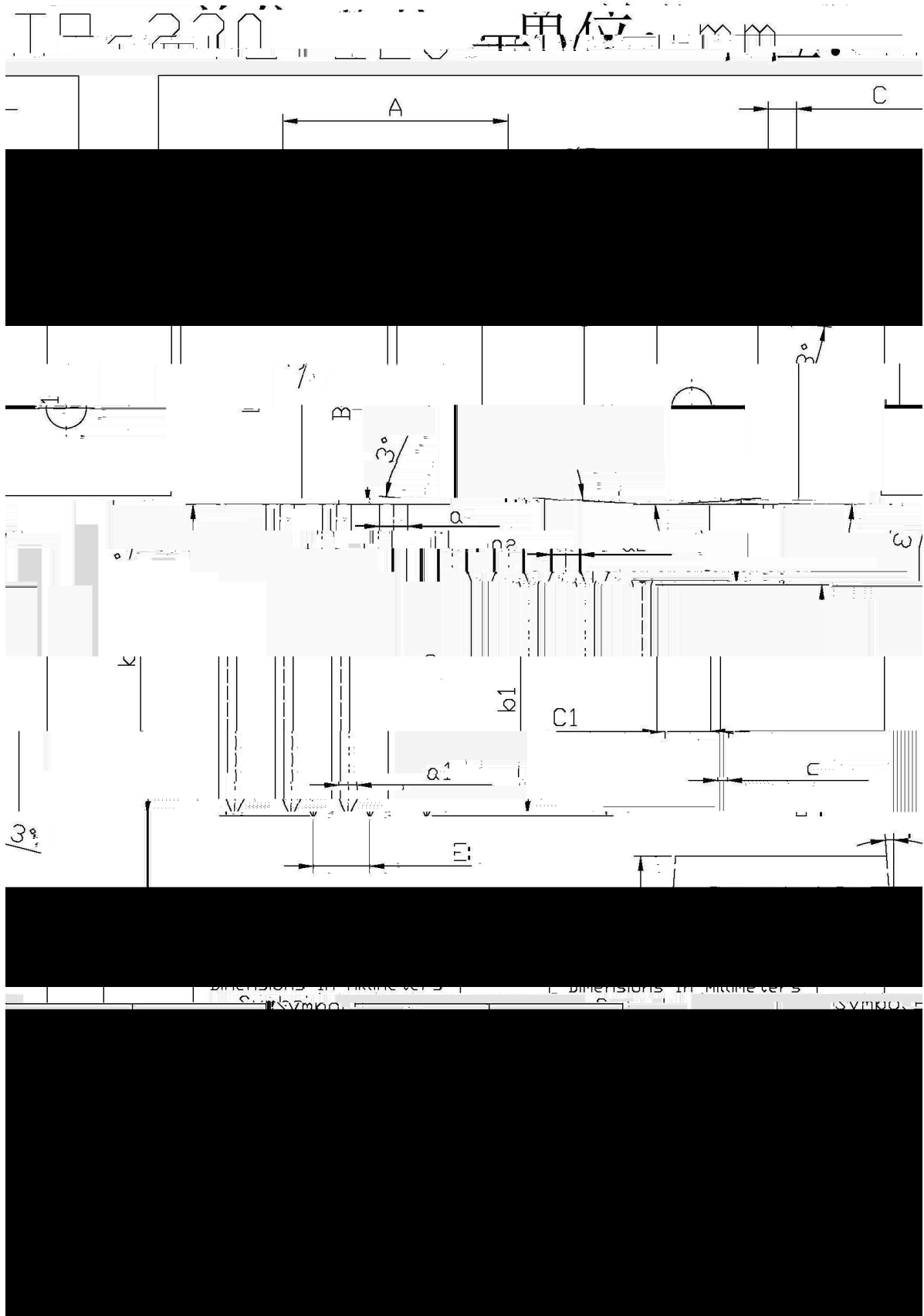
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Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Reverse Voltage	V_{RRM} V_{RWM} V_{DC}	45	V
RMS Reverse Voltage	V_{RMS}	31.5	V
Average forward rectified Current	I_F	2 X 10	A
Non Repetitive Peak Surge Current	I_{FSM}	160	A
Thermal Resistance Junction to Case	R_{Jc}	2.8	/W
Junction and Storage Temperature Range	T		

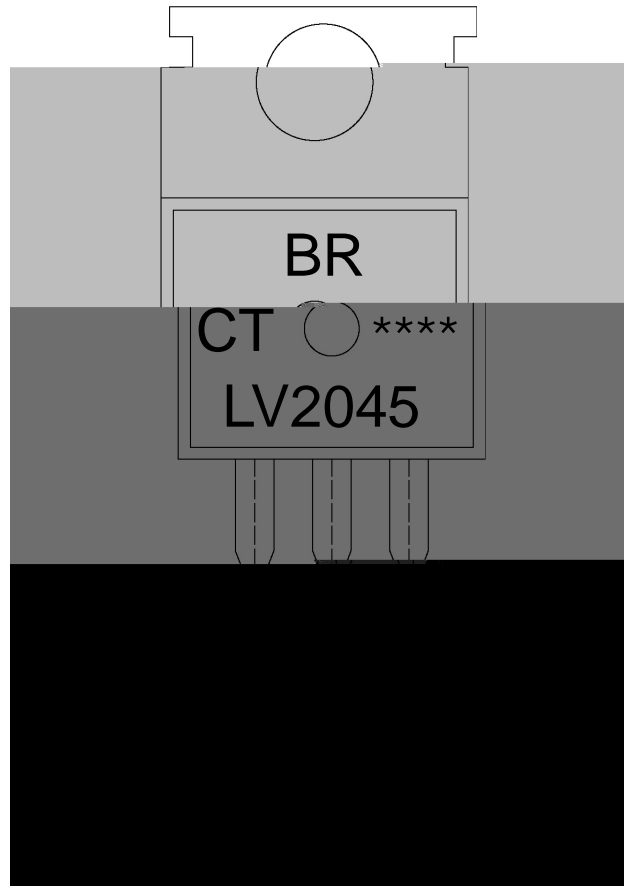
/ Electrical Characteristic Curve



/ Package Dimensions



/ Marking Instructions



91
QV '+,
: K1
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Note:
BR: Company Code
QV '+,
: K:
****: Product Type.
Internal Structure
Lot No. Code, code change with Lot No.

LV2045CT
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