LV2045CT

Rev.H Oct-2018

DATA SHEET

/ Descriptions

WR0553 ṂṂ Ł ≠ ᵍ⁀ ‖ ㄱ

TO-220 Plastic package Schottky diode .

/ Features

Ӈ* ᵇ я ∪ ı Ӈ ı ă ı ѽ ' ≍

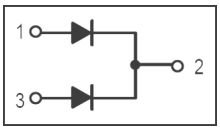
Low forward voltage drop,low power losses,High efficiency operation.

/ Applications

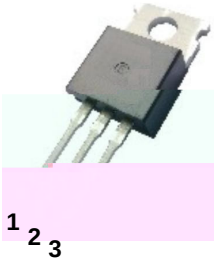
ᵹ ≍ ļ ' ڜ Ψ ʜ ı Ả ʜ ɔ ◊ ı ㅅ ㅣ‾ ‖ ㄱ ı RU0lqj ⁀ ‖ ㄱ ı GF0GF ᶎ Ω ʜ ⊐ ɔ – ɾ ᵇ Ȝ ǐ

For use in high frequency inverters, switching power supplies, freewheeling diodes, OR-ing diode, dc-to-dc converters and reverse battery protection.

/ Equivalent Circuit



/ Pinning



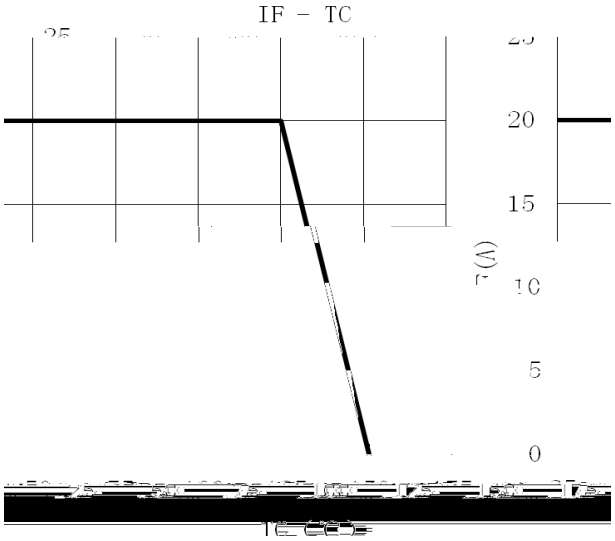
PIN1 χ Anode PIN 2 χ Cathode PIN 3 χ Anode

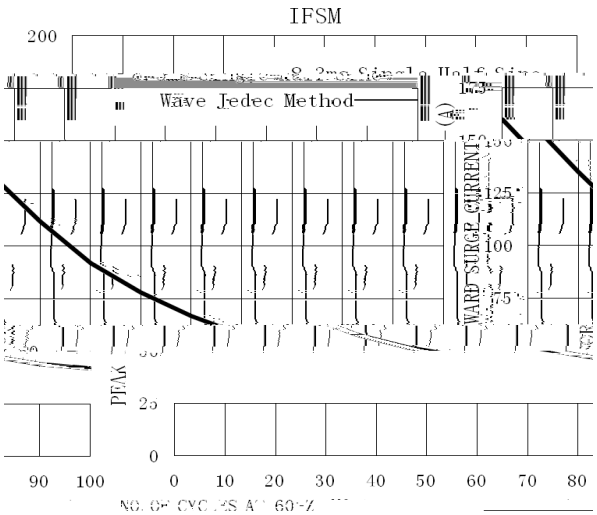
/ h_{FE} Classifications & Marking

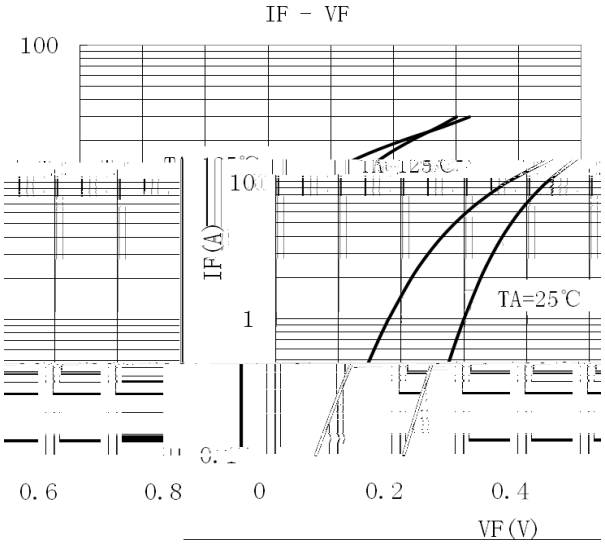
ð м ヽ ب ˝ See Marking Instructions.

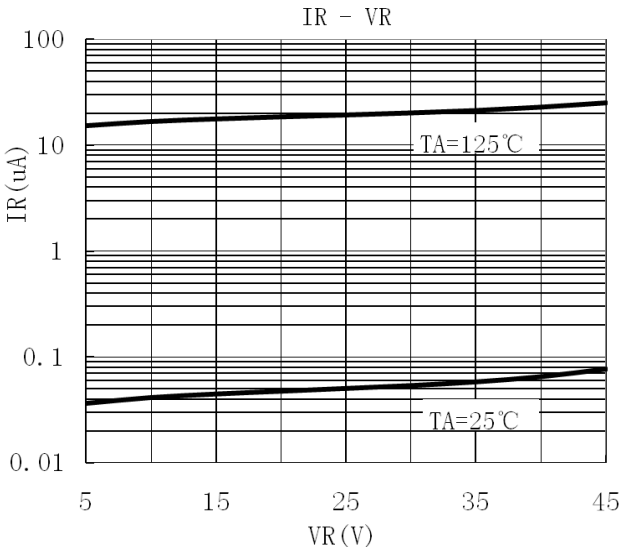
v ‴Ω Parameter	ϒ N Symbol	‴Ω Ö Rating	D Ђ Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Reverse Voltage	V_{RRM} V_{RWM} V_{DC}	45	V
RMS Reverse Voltage	V_{RMS}	31.5	V
Average forward rectified Current	I_F	2 X 10	A
Non Repetitive Peak Surge Current	I_{FSM}	160	A
Thermal Resistance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

/ Electrical Characteristic Curve

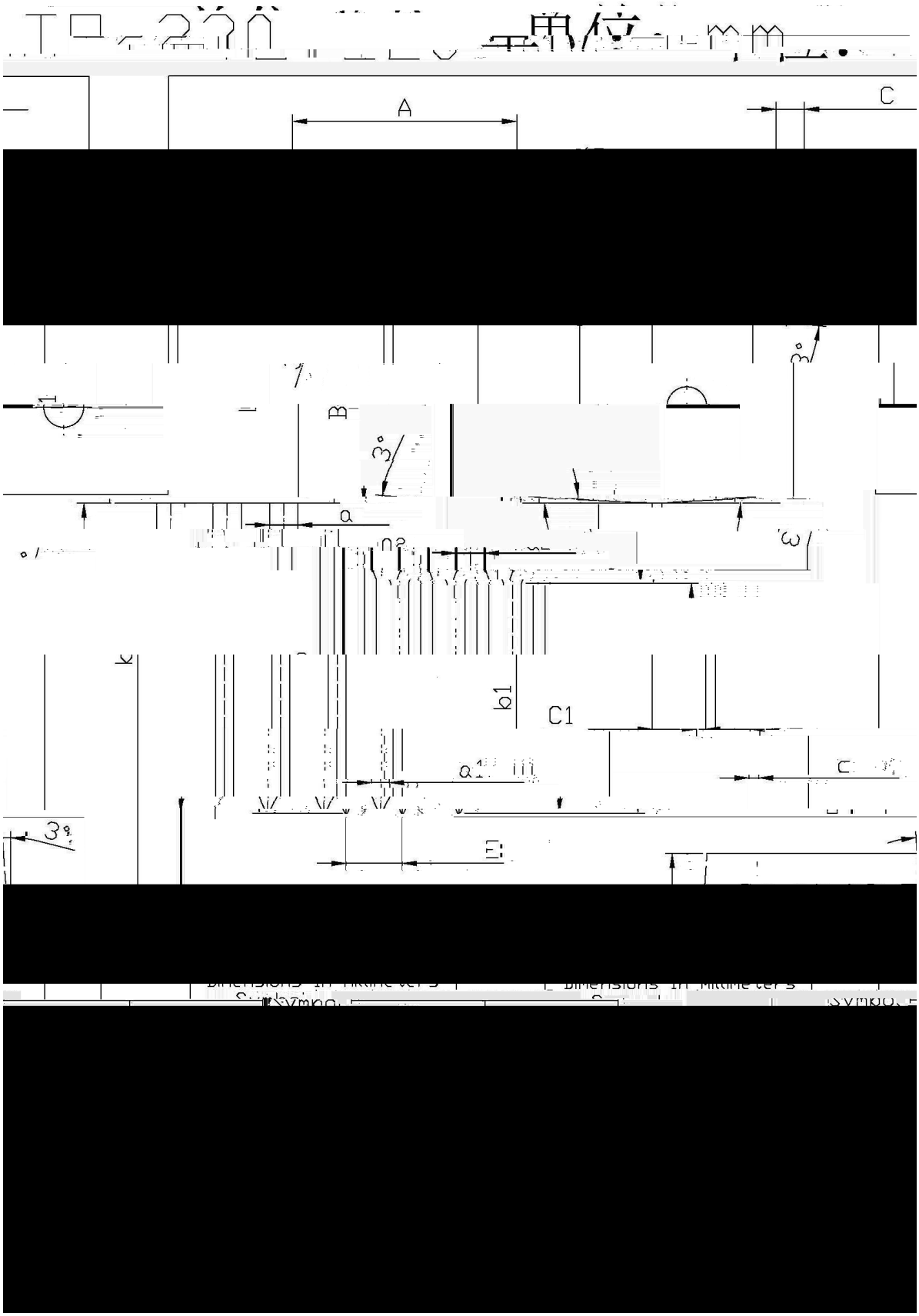




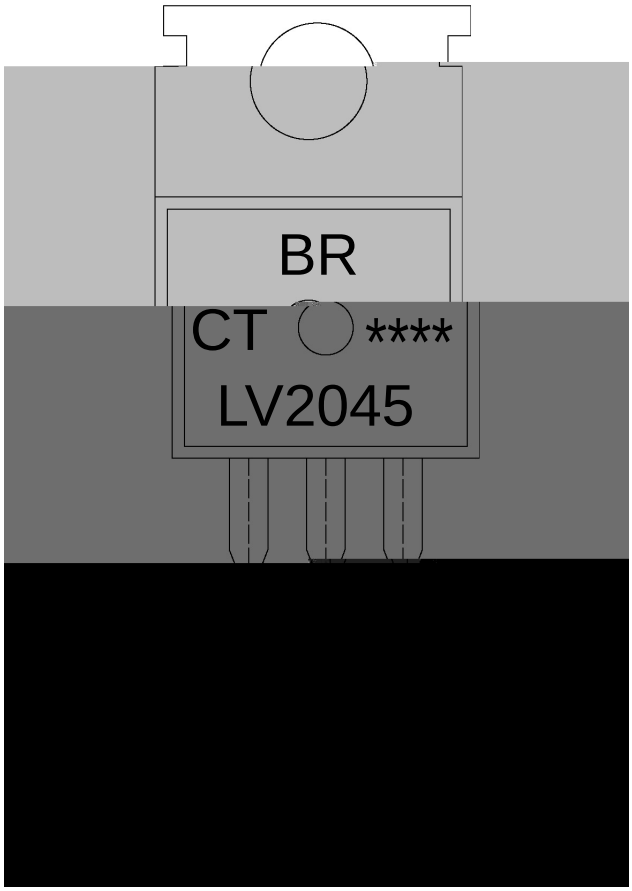




/ Package Dimensions



/ Marking Instructions



◌̇ ˝ χ	
EU χ	⊮ ϛ ᴎ Γъ
0Y5378 χ	⊮ ғ β ȝ ᴺ
FW=	⊮ ɲ ɯh ⅃ ⚌
---- χ	⊮ ɨ ғ ň ᴺ Γъ ı ₡ ɨ ғ ň ᴺ Ψ ק
Note:	
BR:	Company Code
0Y5378 χ	Product Type.
FW:	Internal Structure
****:	Lot No. Code, code change with Lot No.

(