

**MBR3060CT**  
Rev.H Oct.-2018

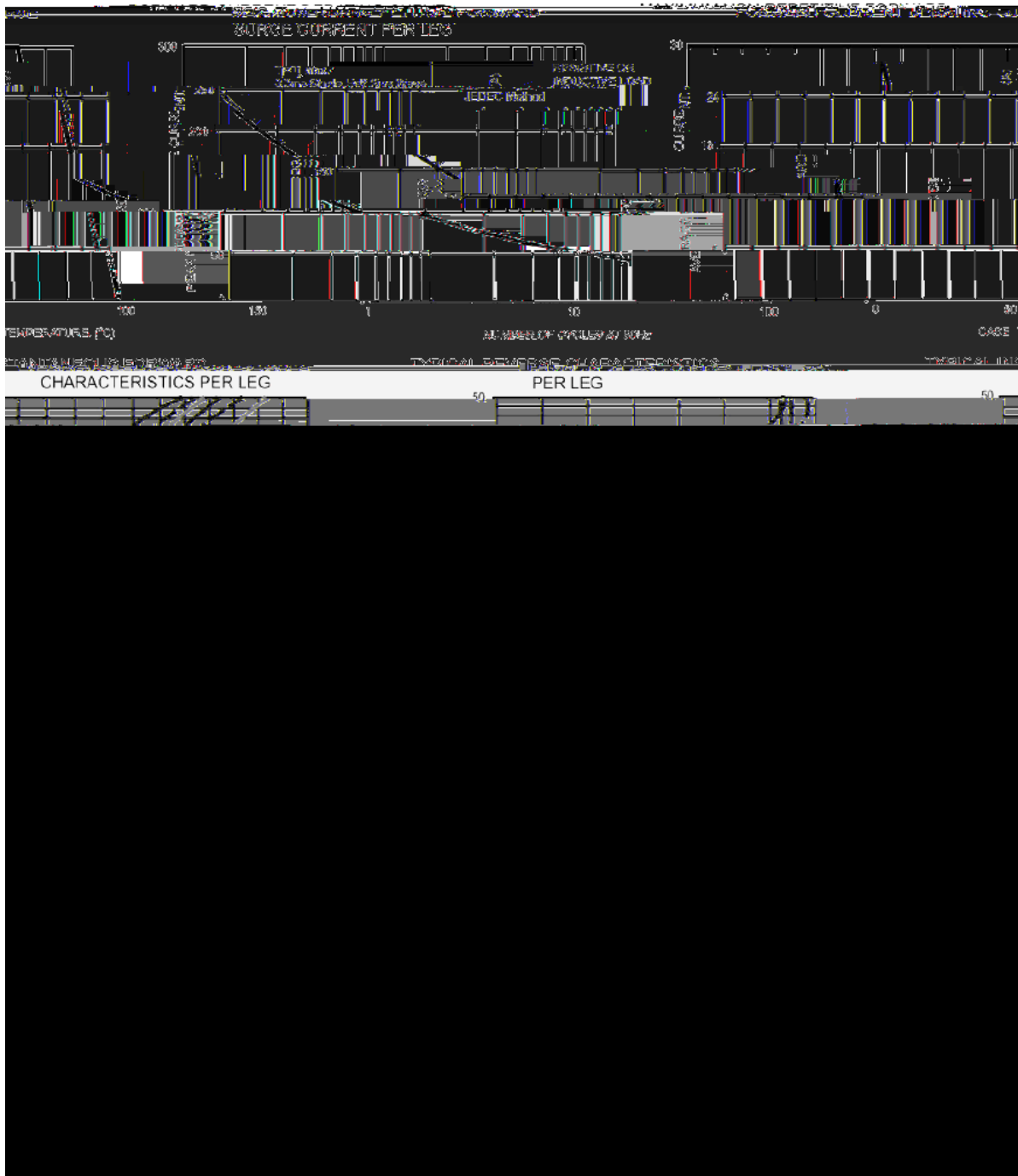
**/ Absolute Maximum Ratings(Ta=25 )**

Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage	$V_{RRM}$	60	V
RMS Voltage	$V_{RMS}$	42	V
DC Blocking Voltage	$V_{DC}$	60	V
Peak Repetitive Forward Current	$I_{F(AV)}$	15	A
	$I_{F(AV)}$ 15F9tal device	30	A
Non-Repetitive Peak Forward Surge Current	$I_{FSM}$	250	A
Peak Forward Surge Current	$I_{FRM}$	30	A
Repetitive Peak Reverse Surge Current	$I_{RRM}$	0.5	A
Thermal Resistance Junction to Case	$R_{Jc}$	1.0	/W
Junction Temperature Range	$T_j$	150	
Storage Temperature Range	$T_{stg}$	-55 150	

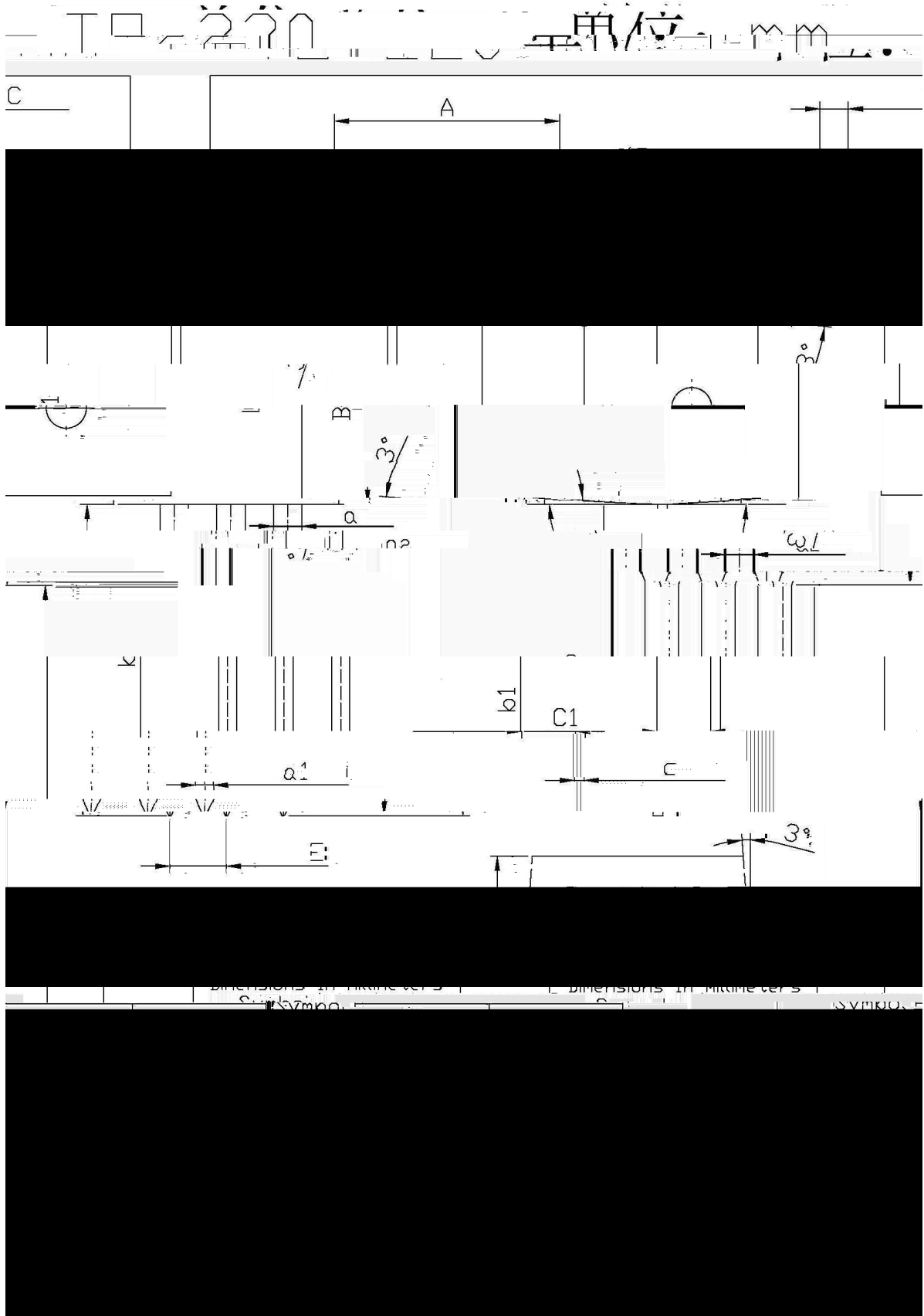
**/ Electrical Characteristics(Ta=25 )**

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Forward Voltage	$V_F$	$I_F=15A(T_C=25 )$			0.75	V
		$I_F=15A(T_C=125 )$			0.65	V
		$I_F=30A(T_C=25 )$			0.95	V
		$I_F=30A(T_C=125 )$			0.85	V
Instantaneous Reverse Current	$I_R$	$T_C=25$			0.2	mA
		$T_C=125$			50	mA
Voltage Rate of Change	dv/dt				1000	V/ $\mu$ s

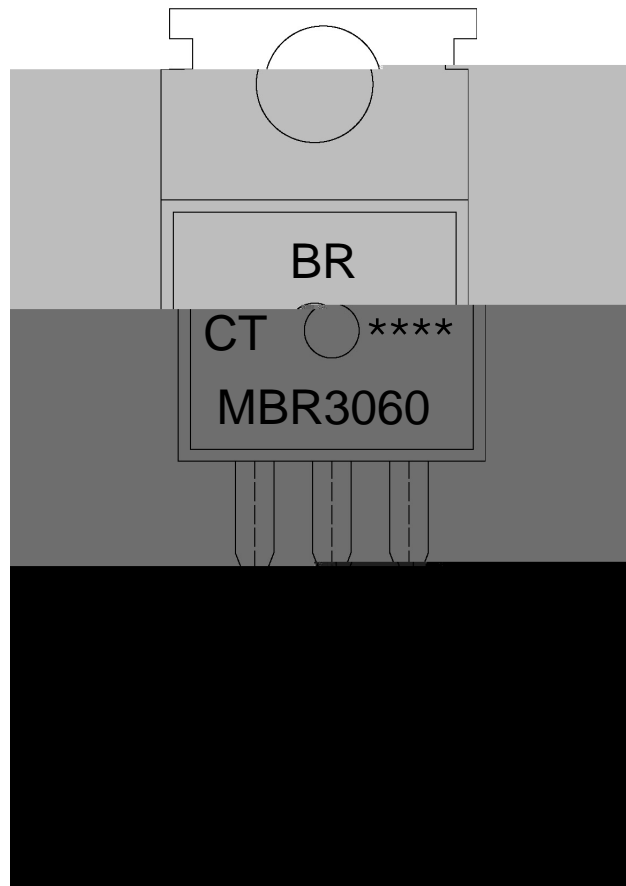
/ Electrical Characteristic Curve



/ Package Dimensions



/ Marking Instructions



BR

MBR3060

CT:

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Note:

BR: Company Code

MBR3060 Product Type.

CT: Internal Structure

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

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



- |   |       |     |           |        |              |   |
|---|-------|-----|-----------|--------|--------------|---|
| 1 | 25    | 150 | 60        | 90sec; | <b>Note:</b> | 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 mm <sup>3</sup> )		
	Units/Bag	Bags/Inner Box	Units/Inner Box	Inner Boxes/Outer Box	Units/Outer Box	Bag	Inner Box	Outer Box