

MBR3060CT
Rev.H Oct.-2018

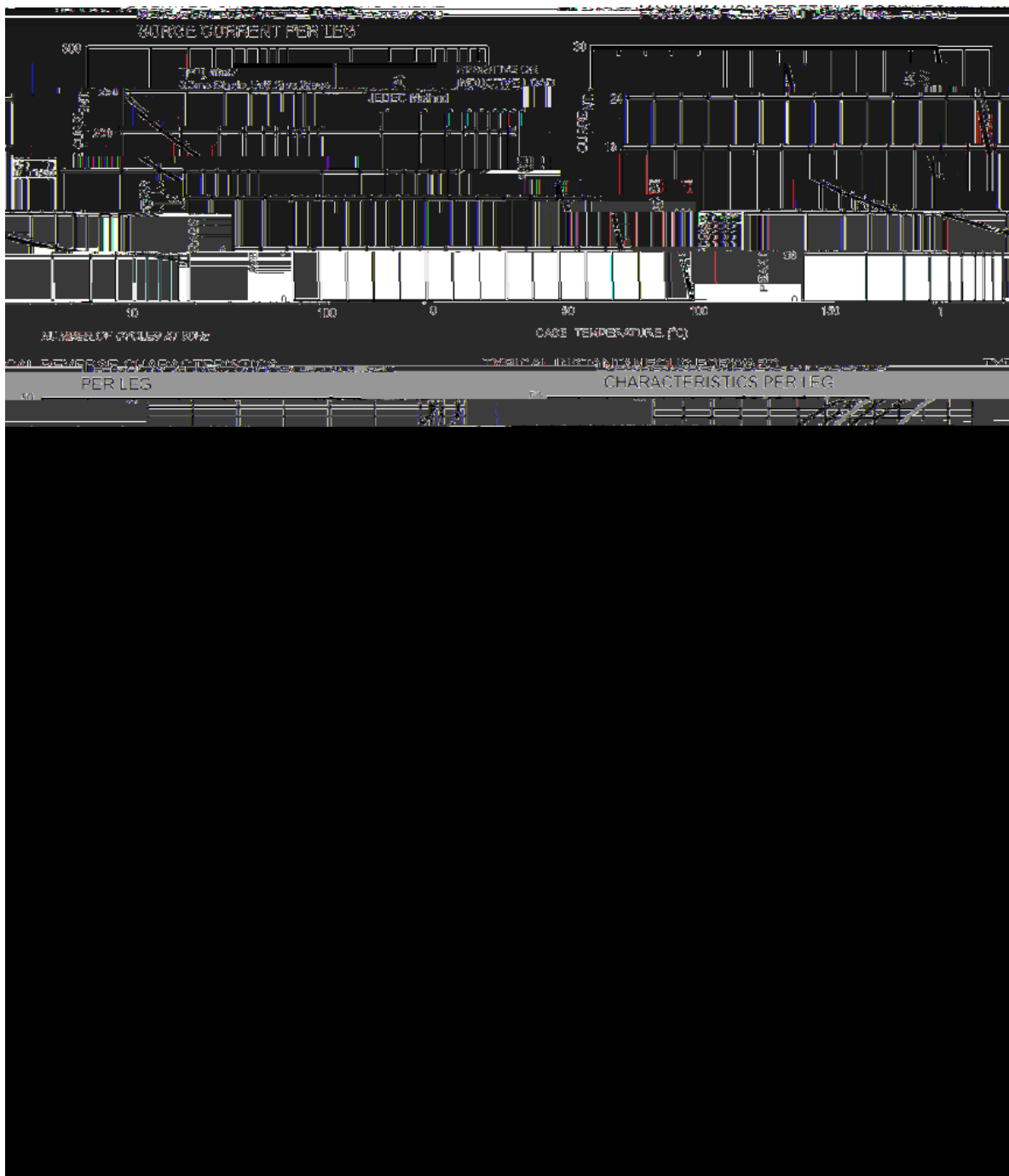
/ Absolute Maximum Ratings(Ta=25)

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	

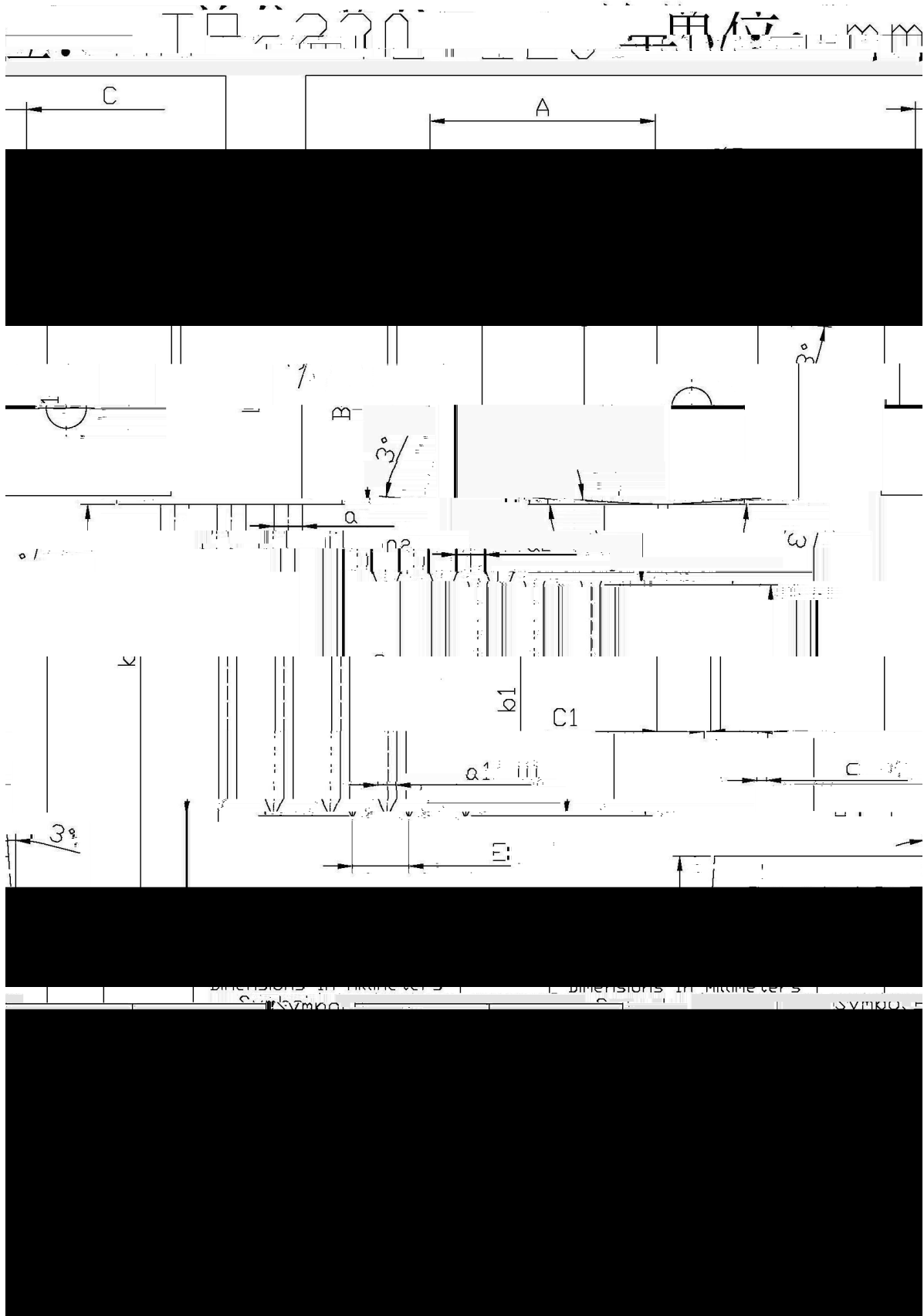
/ Electrical Characteristics(Ta=25)

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/ μ s

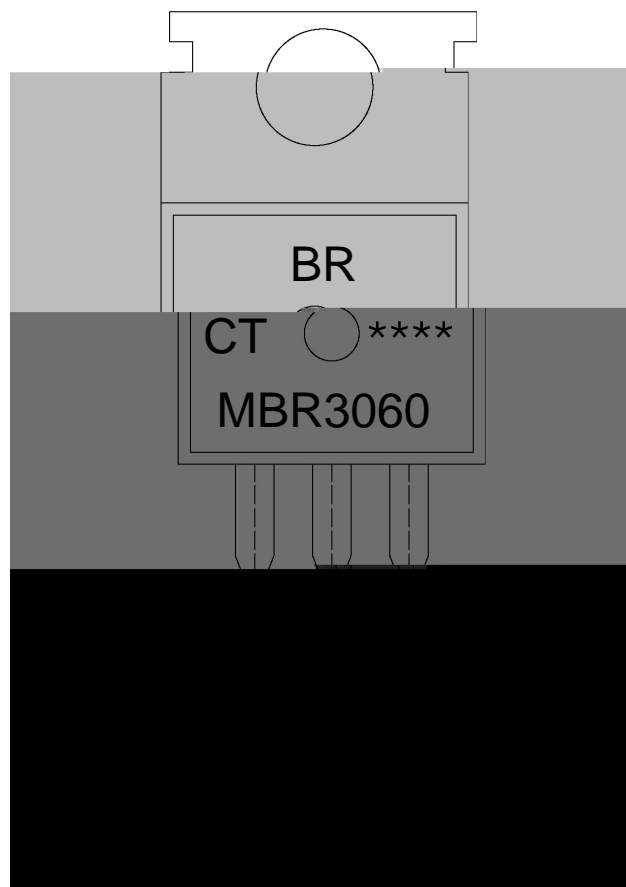
/ Electrical Characteristic Curve



/ Package Dimensions



/ Marking Instructions



BR

MBR3060

CT:

Note:

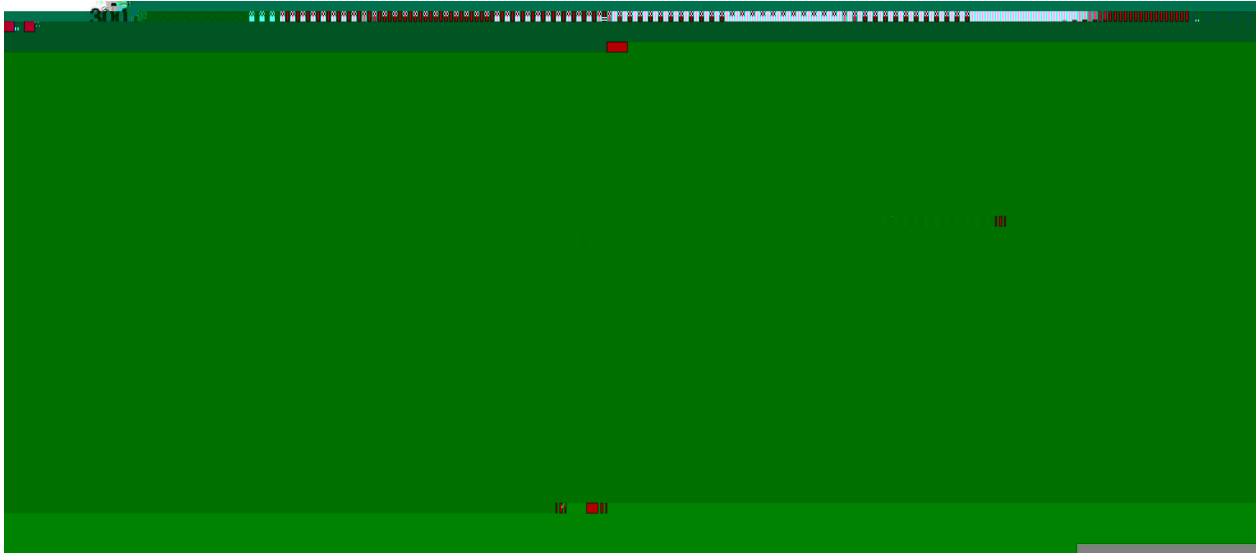
BR: Company Code

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; | Note:
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 ³)		
	Units/Bag /	Bags/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Bag	Inner Box	Outer Box