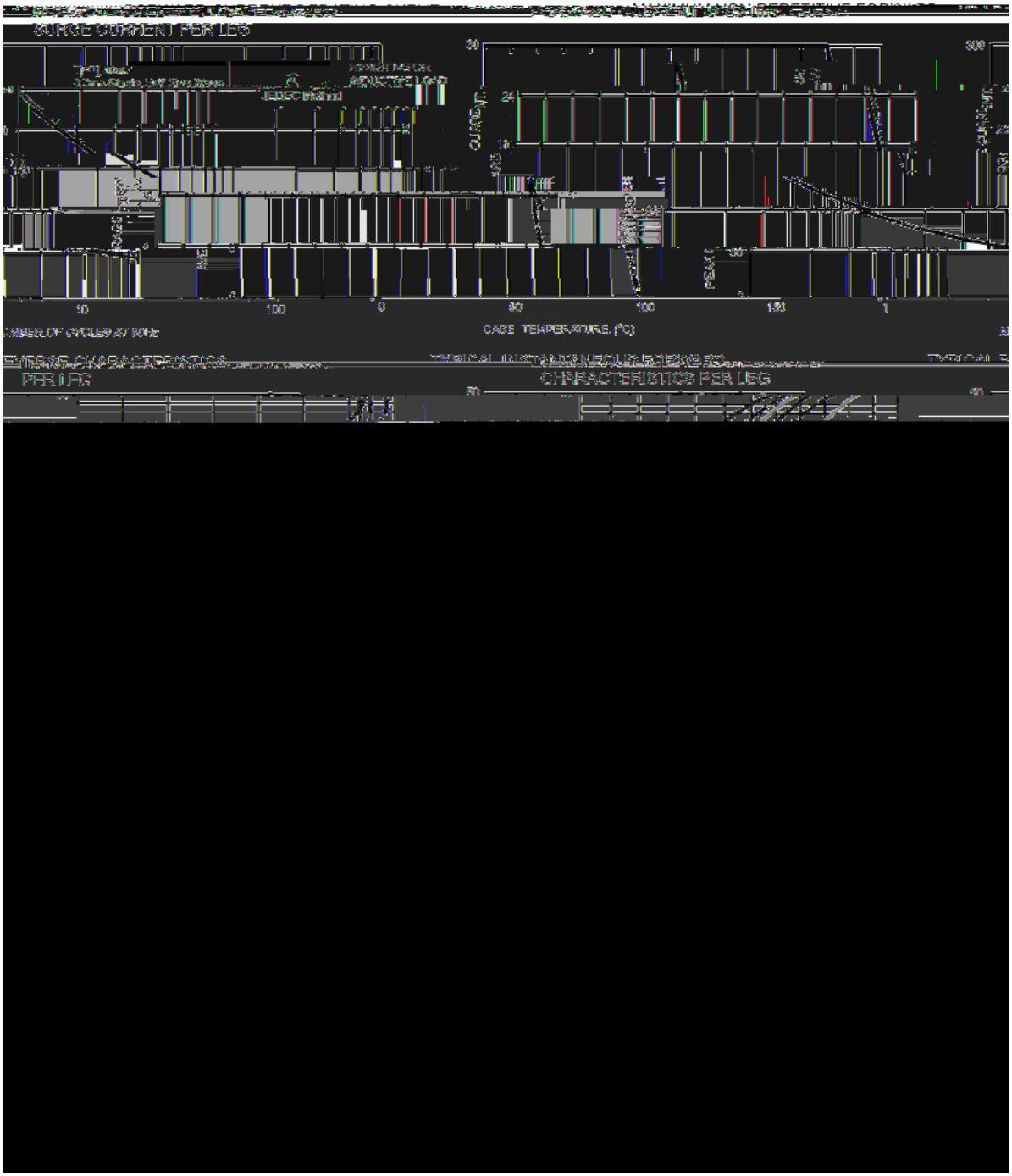
/ Absolute Maximum Ratings(Ta=25)

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	$R_{\theta Jc}$	1.0	/W
Junction Temperature Range	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

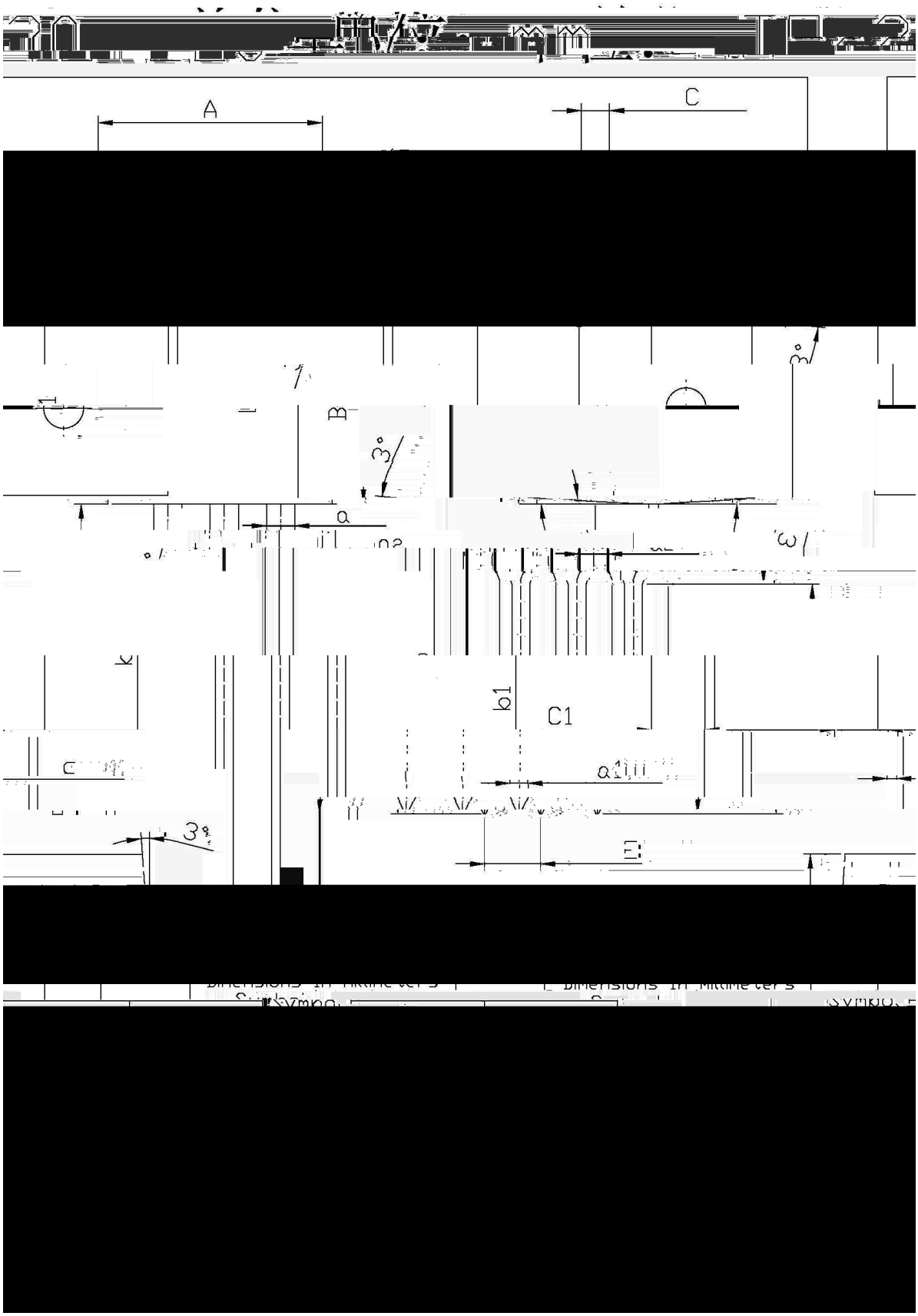
/ Electrical Characteristics(Ta=25)

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/μs

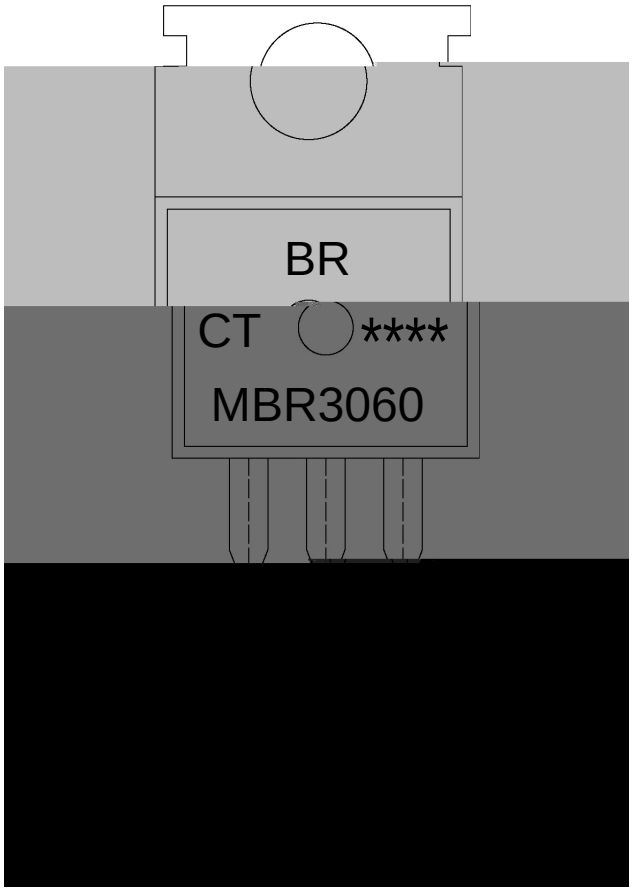
/ Electrical Characteristic Curve



/ PackageDimensions



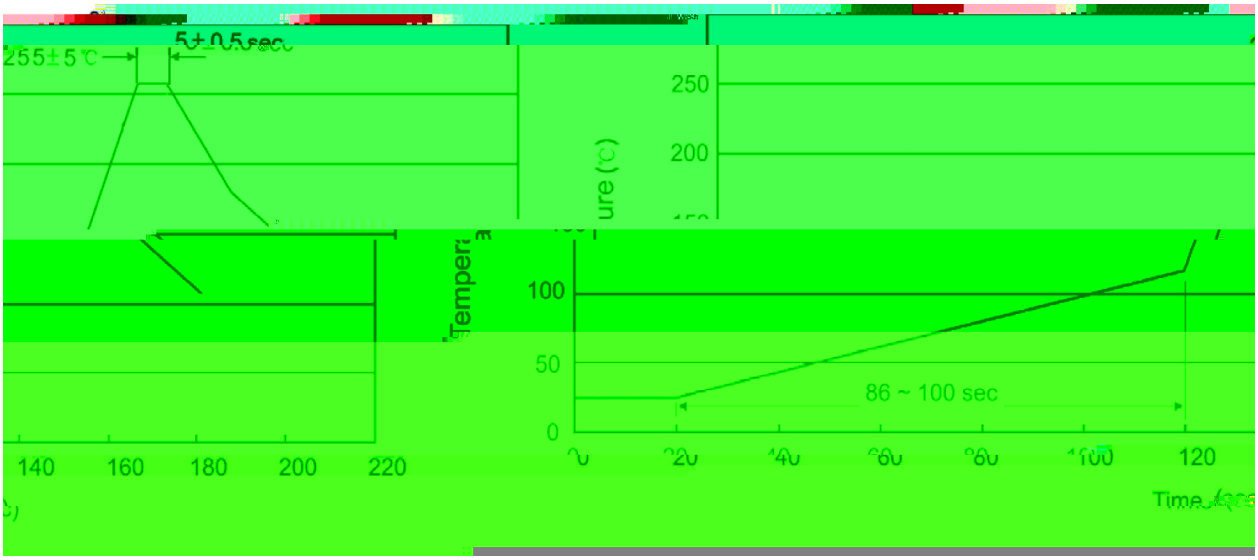
/ Marking Instructions



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)



	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 mm^3)
	Units/Bag /	Bags/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Bag	Inner Box	Outer Box