

WO-220DF A

Ultrafast Recovery Diode in a TO-220AC Plastic Package.

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/ Absolute Maximum Ratings(Ta=25)

Parameter	N Symbol	Rating	Unit
Peak Repetitive Reverse Voltage	V_{RRM}	600	V
Working Peak Reverse Voltage	V_{RWM}	600	V
DC Blocking Voltage	V_R	600	V
Average Forward Current	I_F	8	A
Non Repetitive Peak Surge Current	I_{FRM}	16	A
Peak forward surge current	I_{FSM}	100	A
Power Dissipation	$P_{C(Tc=25)}$	75	W
Junction Temperature Range	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

/ Electrical Characteristics(Ta=25)

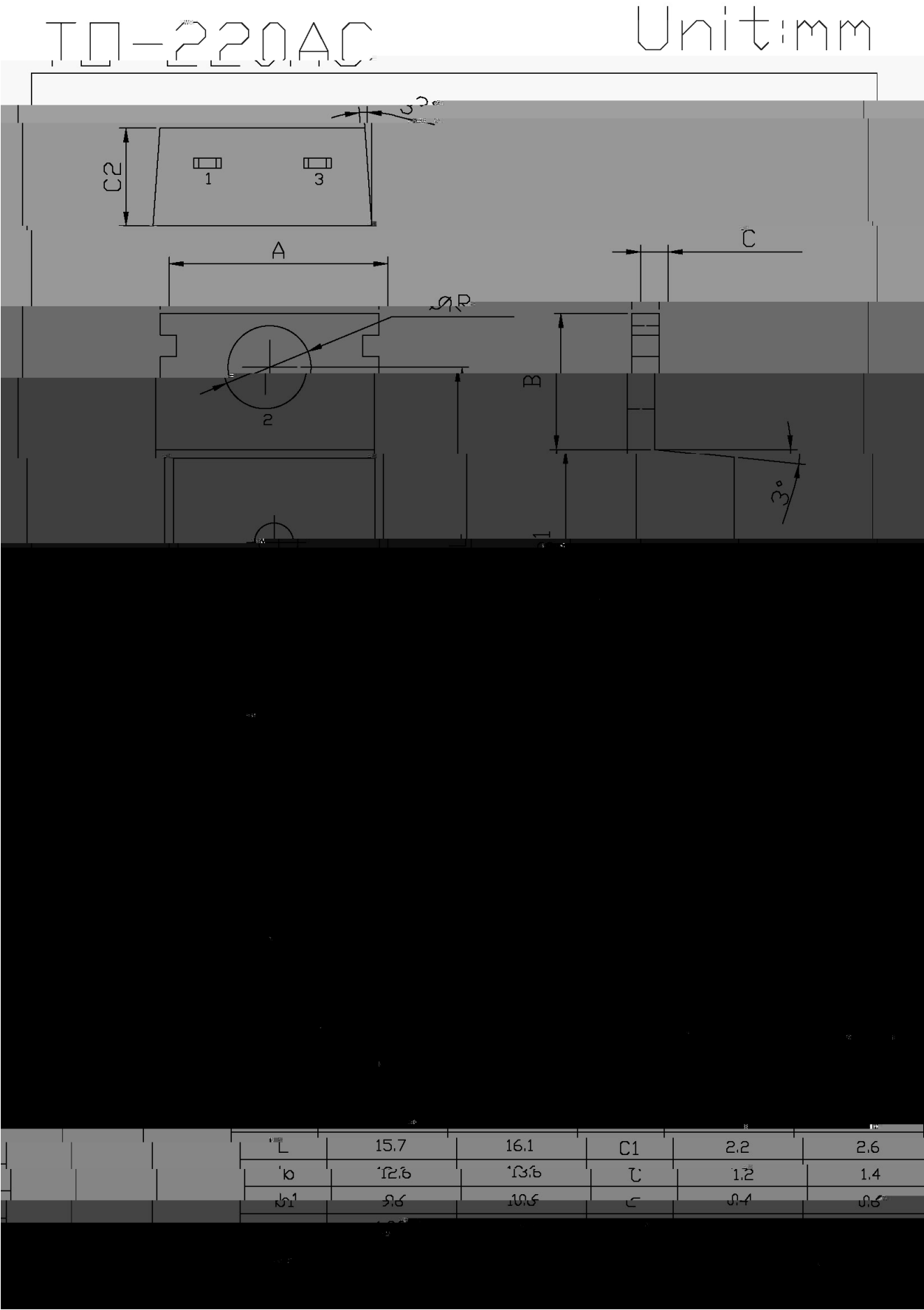
测试条件
 Test Conditions

Parameter	Symbol	Test Conditions	Value	Unit
Forward Voltage	V_F	$I_F=8A$	1.5	V
		$I_F=8A \quad T_C=150$	1.2	V
Instantaneous Reverse Current	I_R	$V_R=600V$	100	μA
		$V_R=600V \quad T_C=150$	500	μA
Reverse Recovery Time	t_{rr}	$I_F=1A \quad dI_F/dt=200A/\mu S$	60	ns
		$I_F=8A \quad dI_F/dt=200A/\mu S$	70	ns
Time To Reach Peak Reverse forward current	t_a	$I_F=8A \quad dI_F/dt=200A/\mu S$	32	ns
Time From Peak IRM Projected zero crossing of IRM based on a straight line peak through 25%	t_b	$I_F=8A \quad dI_F/dt=200A/\mu S$	21	ns
Reverse Recovery change	Q_{RR}	$I_F=8A \quad dI_F/dt=200A/\mu S$	195	nC
Junction Capacitance	C_J	$V_R=10V \quad I_F=0A$	25	pF

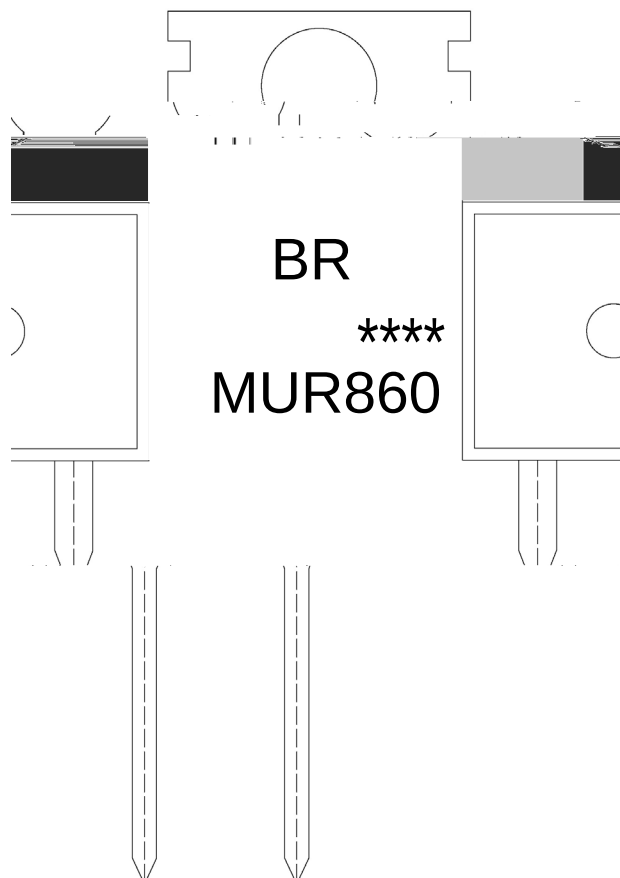
BRMUR860AC

Rev.G Oct.-2017

/ Package Dimensions



/ Marking Instructions



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Note:

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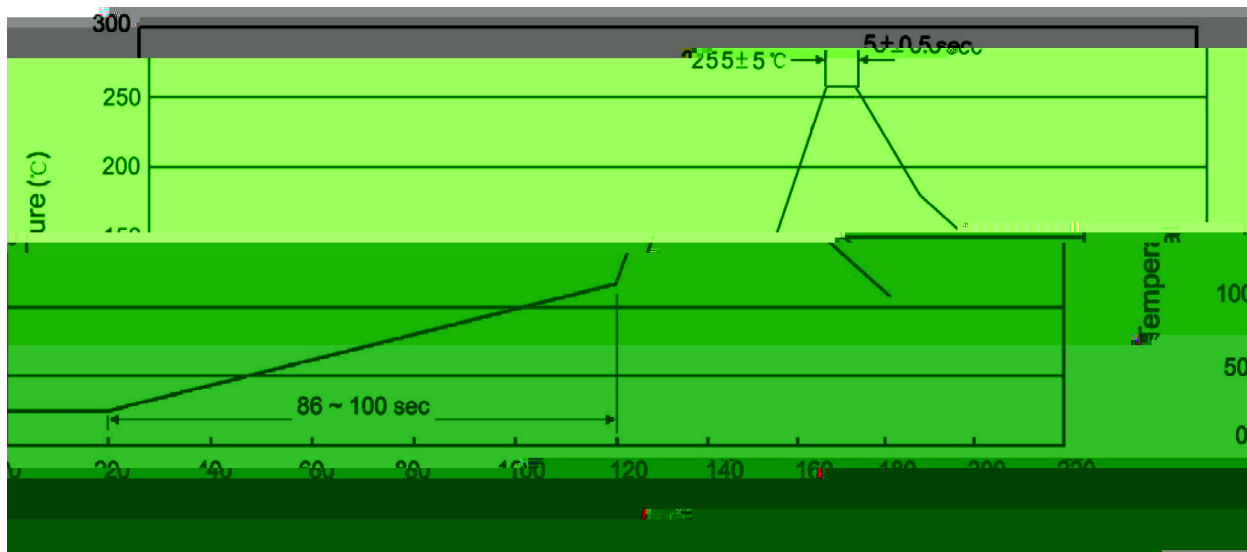
Company Code

MUR860

Product Type.

****:

Lot No. Code, code change with Lot No.

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


Note:

1. Preheating: 25~150 °C, Time: 60~90sec;
2. Peak Temp.: 255±5 °C, Duration: 5±0.5sec;
3. Cooling Speed: 2~10 °C/sec.

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2. Peak Temp.: 255±5 °C, Duration: 5±0.5sec.
3. Cooling Speed: 2~10 °C/sec.

/ Resistance to Soldering Heat Test Conditions

270±5 °C, Time: 10±1 sec.

Temp.: 270±5 °C

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
TO-220/F/AC	200	10	2,000	5	10,000	135×190	237×172×102	560×245×195

/ TUBE

Package Type	Units					Dimension (unit: mm ³)		
	Units/Tube	Tubes/Inner Box	Units/Inner Box	Inner Boxes/Outer Box	Units/Outer Box	Tube	Inner Box	Outer Box
TO-220/F/AC	50	20	1,000	5	5,000	532×31.4×5.5	555×164×50	575×290×180

/ Notices