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

ڑ پ WO-220DF Ң ں 600Y M

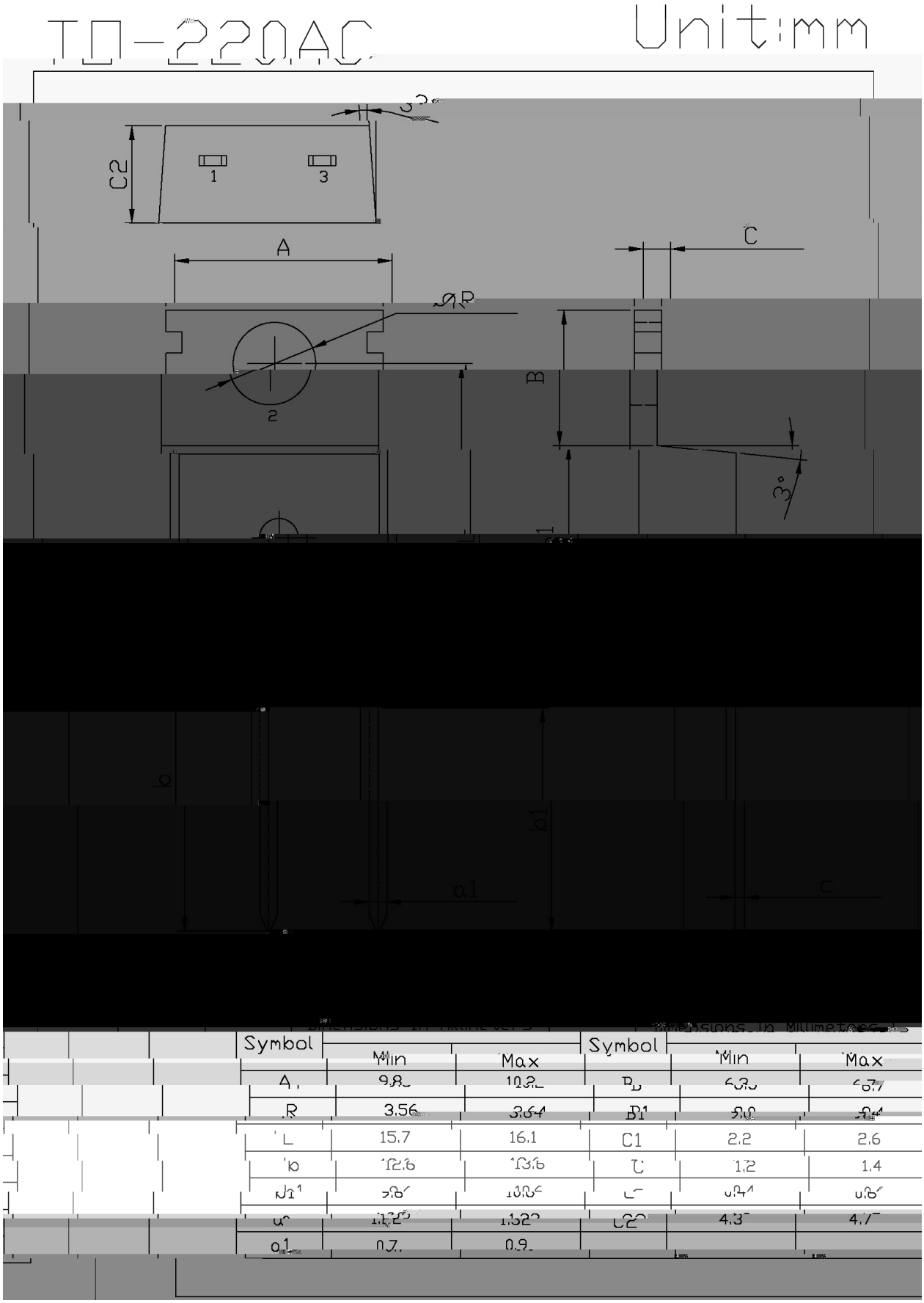
/ Absolute Maximum Ratings(Ta=25)

Parameter	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)

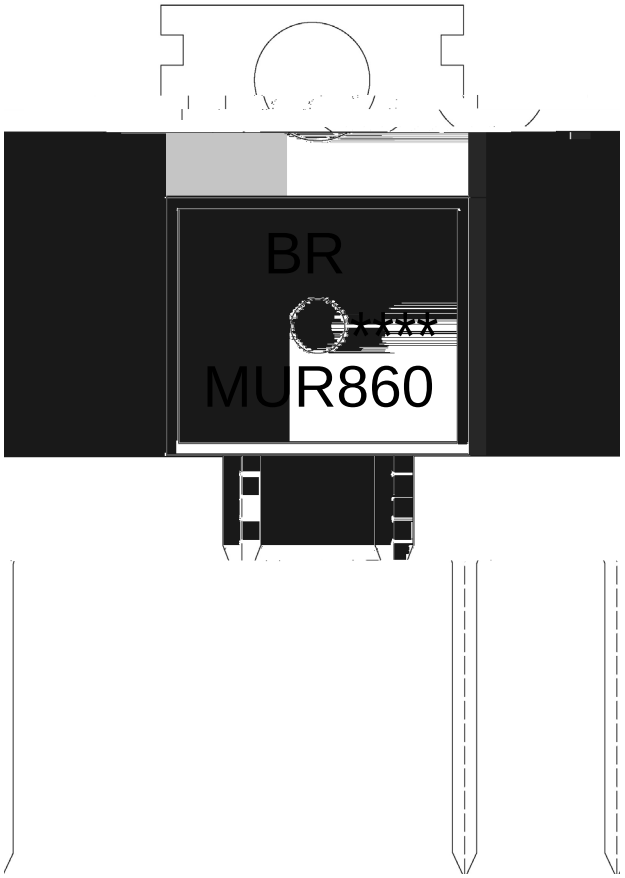
Forward Voltage	V_F	I_F=8A			1.5	V
		I_F=8A T_C=150			1.2	V
Instantaneous Reverse Current	I_R	V_R=600V			100	μA
		V_R=600V T_C=150			500	μA
Reverse Recovery Time	t_{rr}	I_F=1A dIF/dt=200A/μS			60	ns
		I_F=8A dIF/dt=200A/μS			70	ns
Time To Reach Peak Reverse forward current	t_a	I_F=8A dIF/dt=200A/μS	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

/ Package Dimensions



Symbol	Min	Max	Symbol	Min	Max
A	9.8	10.2	D1	6.35	6.7
P	3.56	3.64	E1	8.0	8.4
L	15.7	16.1	C1	2.2	2.6
b	12.6	13.6	C	1.2	1.4
b1	2.6	3.0	e	0.44	0.6
c	1.22	1.32	e2	4.3	4.7
a1	0.7	0.9			

/ Marking Instructions



ER И

MXR860 N

**** N N

Note:

BR:	Company Code
MUR860	Product Type.
****:	Lot No. Code, code change with Lot No.

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



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

/ Resistance to Soldering Heat Test Conditions

270±5	ڑ 10±1 sec.	Temp.:270±5	Time:10±1 sec

/ Packaging SPEC.

/ BULK

Package Type	Units					Dimension (unit mm³)		
	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 mm³)		
	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