TO-220

/ Absolute Maximum Ratings(Ta=25)

Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage	V_{RRM}	600	V
RMS Voltage	V_{RMS}	420	V
DC Blocking Voltage	V_{DC}	600	V
Average Forward Current	I_F	2×8	A
Non Repetitive Peak Surge Current	I_{FSM}	125	A
Thermal Resistance Junction to Case	$R_{\theta Jc}$	2.5	/W
Operating and Storage Temperature Range	T_j T_{stg}	-55 175	

/ Electrical Characteristics(Ta=25)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Forward Voltage	V_F	I_F =8A(T_C=25)			1.8	V
		I_F =8A(T_C=150)		1.05	1.3	V
		I_F =16A(T_C=125)			2.0	V
		I_F =16A(T_C=150)		1.28	1.6	V
Instantaneous Reverse Current	I_R	V_R=600V(T_a=25)			5	μA
		V_R=600V(T_a=150)		16	100	μA
Reverse Recovery Time	t_{rr}	I_F=0.5A I_R=1.0A I_{RR}=0.25A			50	ns

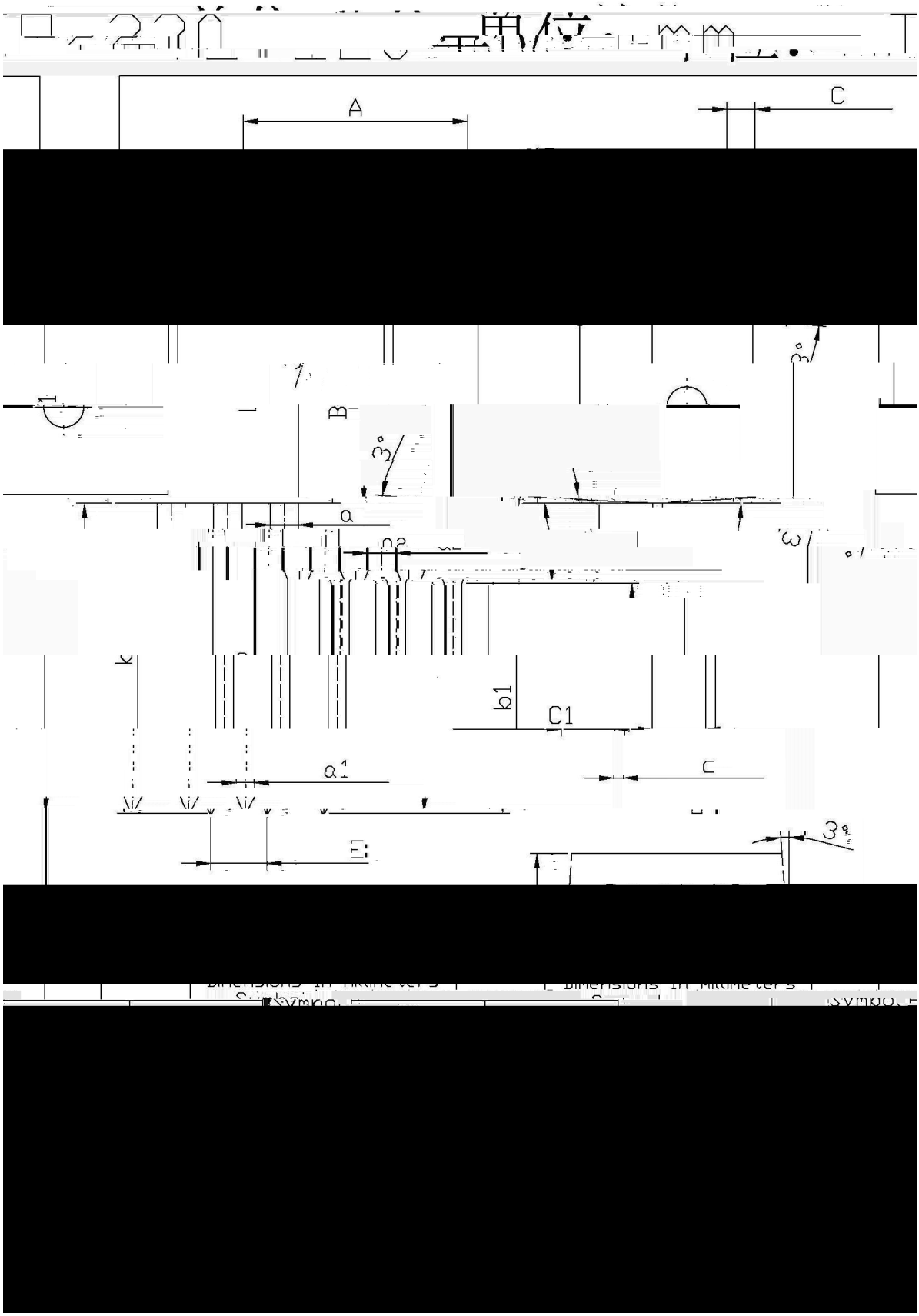
/Notes

1. /Short duration pulse test used to minimize self-heating effect.

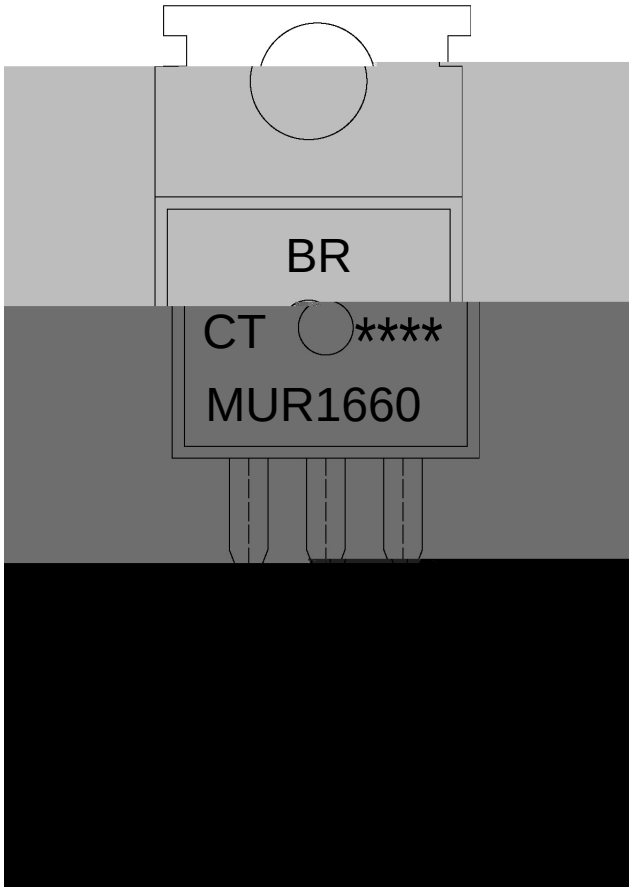
2. / Unless otherwise noted, values for the parameters of a single chip

MUR1660CT

/ Package Dimensions



/ Marking Instructions



BR

MUR1660

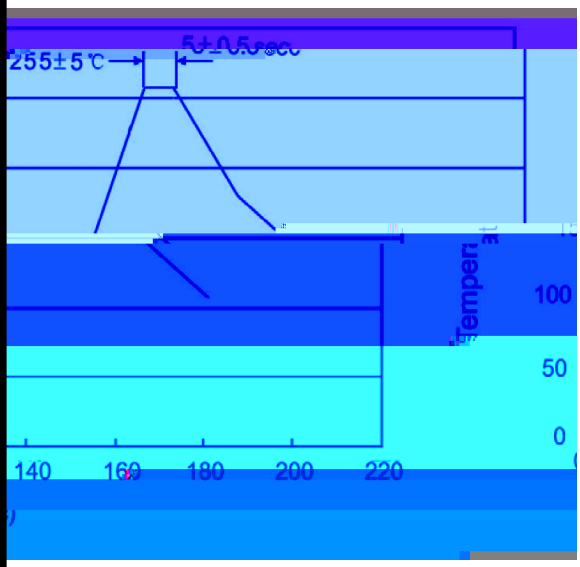
CT:

****

Note:

BR:	Company Code
MUR1660	Product Type.
CT:	Internal Structure
****:	Lot No. Code, code change with Lot No.

ip Soldering(Pb-Free)



Note:

1.Preheating:25~150 , Time:60~90sec.

2.Peak Temp.:255±5 , Duration:5±0.5sec.

3. Cooling Speed: 2~10 /sec.

Test Conditions