

MUR1660CT
Rev.G Oct.-2018

TO-220

/ Absolute Maximum Ratings($T_a=25^\circ\text{C}$)

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($T_a=25^\circ\text{C}$)

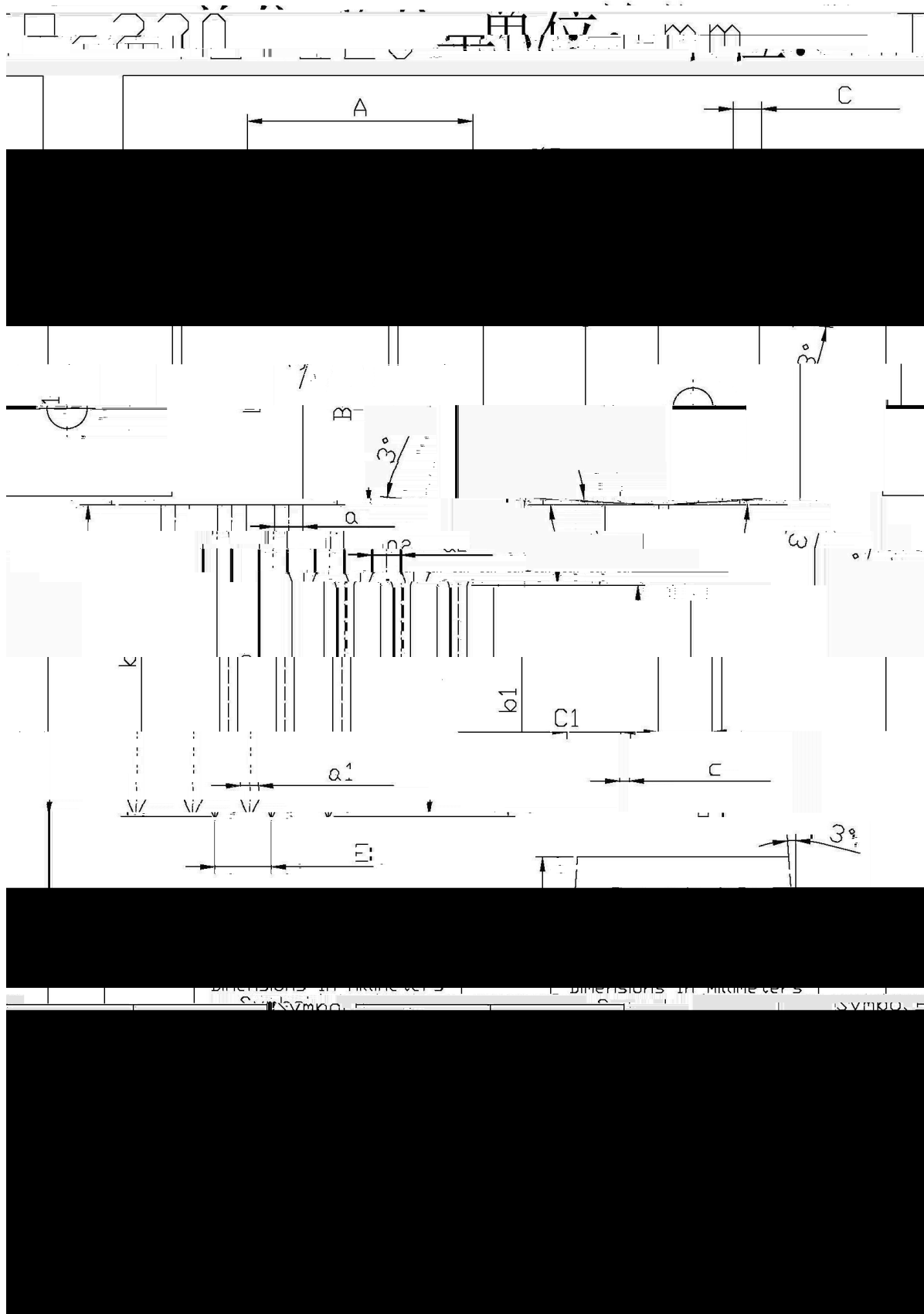
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Forward Voltage	V_F	$I_F=8A(T_C=25^\circ\text{C})$			1.8	V
		$I_F=8A(T_C=150^\circ\text{C})$		1.05	1.3	V
		$I_F=16A(T_C=125^\circ\text{C})$			2.0	V
		$I_F=16A(T_C=150^\circ\text{C})$		1.28	1.6	V
Instantaneous Reverse Current	I_R	$V_R=600V(T_a=25^\circ\text{C})$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

/Notes

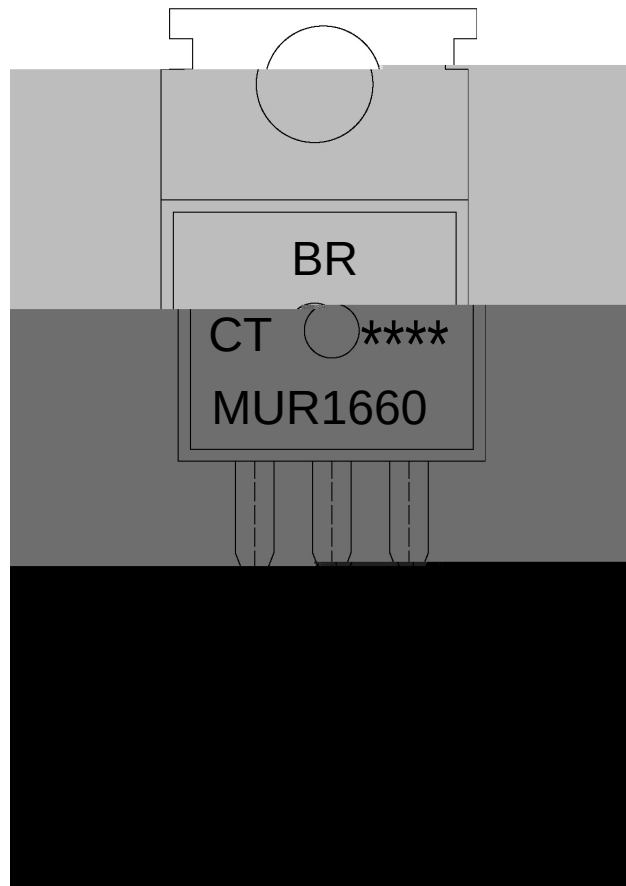
1. /Short duration pulse test used to minimize self-heating effect.
2. / Unless otherwise noted, values for the parameters of a single chip

MUR1660CT

/ Package Dimensions



/ Marking Instructions



BR

MUR1660

CT:

Note:

BR: Company Code

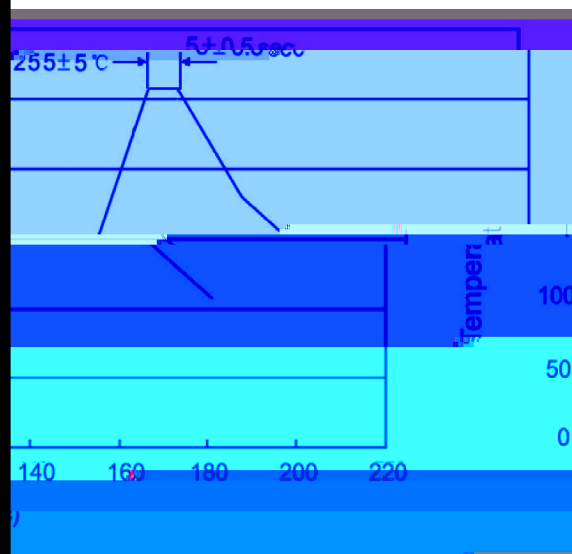
MUR1660 Product Type.

CT: Internal Structure

****: Lot No. Code, code change with Lot No.



Tip Soldering(Pb-Free)



Note:

1. Preheating: $25 \sim 150^{\circ}\text{C}$, Time: 60~90sec.
2. Peak Temp.: $255 \pm 5^{\circ}\text{C}$, Duration: 5 ± 0.5 sec.
3. Cooling Speed: $2 \sim 10^{\circ}\text{C}/\text{sec}$.

Test Conditions