

MUR1220CT
Rev.H Oct.-2018

WR0553 M M E A ò Œ ¼ ¨ 1

绝对最大额定值 (Ta=25℃)

参数 Parameter	符号 Symbol	额定值 Rating	单位 Unit
Peak Repetitive Reverse Voltage	V_{RRM}	200	V
RMS Reverse Voltage	V_{RMS}	140	V
DC Blocking Voltage	V_{DC}	200	V
Average Forward Current	I_F	2 × 6	A
Non Repetitive Peak Surge Current	I_{FSM}	100	A
Thermal Resistance Junction to Case	R_{JC}	2.8	/W
Operating and Storage Temperature Range	T_j T_{stg}	-55 ~ 150	

电 气 特 性 (Ta=25℃)

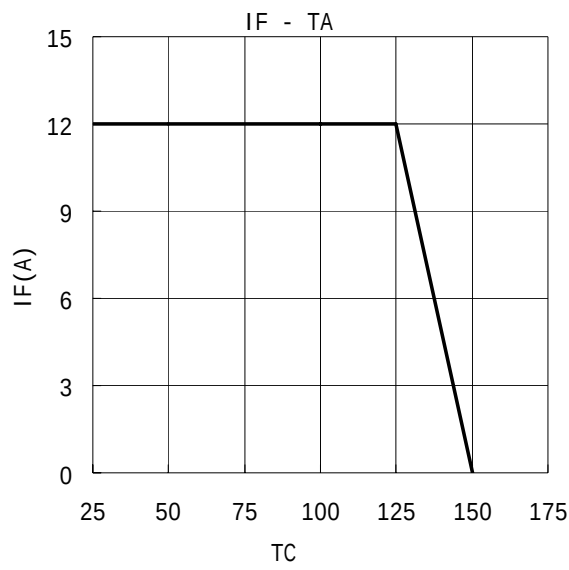
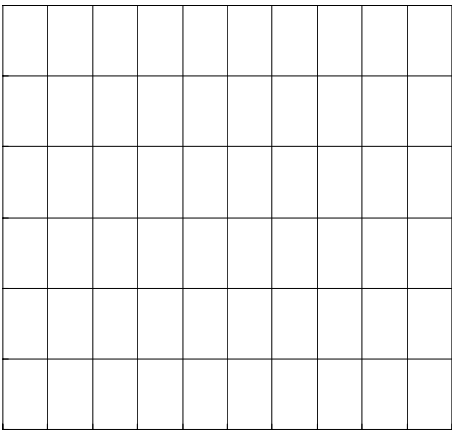
参数 Parameter	符号 Symbol	测试条件 Test Conditions	最小值 Min	典型值 Typ	最大值 Max	单位 Unit
Forward Voltage	V_F	$I_F=2A$ $T_c=25$		0.82		V
		$I_F=2A$ $T_c=125$		0.68		V
		$I_F=6A$ $T_c=25$		0.92	1.0	V
		$I_F=6A$ $T_c=125$		0.82	0.9	V
Instantaneous Reverse Current	I_R Note 1	$V_R=200V$ $T_a=25$			10	A
		$V_R=200V$ $T_a=125$			150	A
Reverse Recovery Time	t_{rr}	$I_F=0.5A$ $I_R=1.0A$ $I_{RR}=0.25A$			35	ns

注/Notes

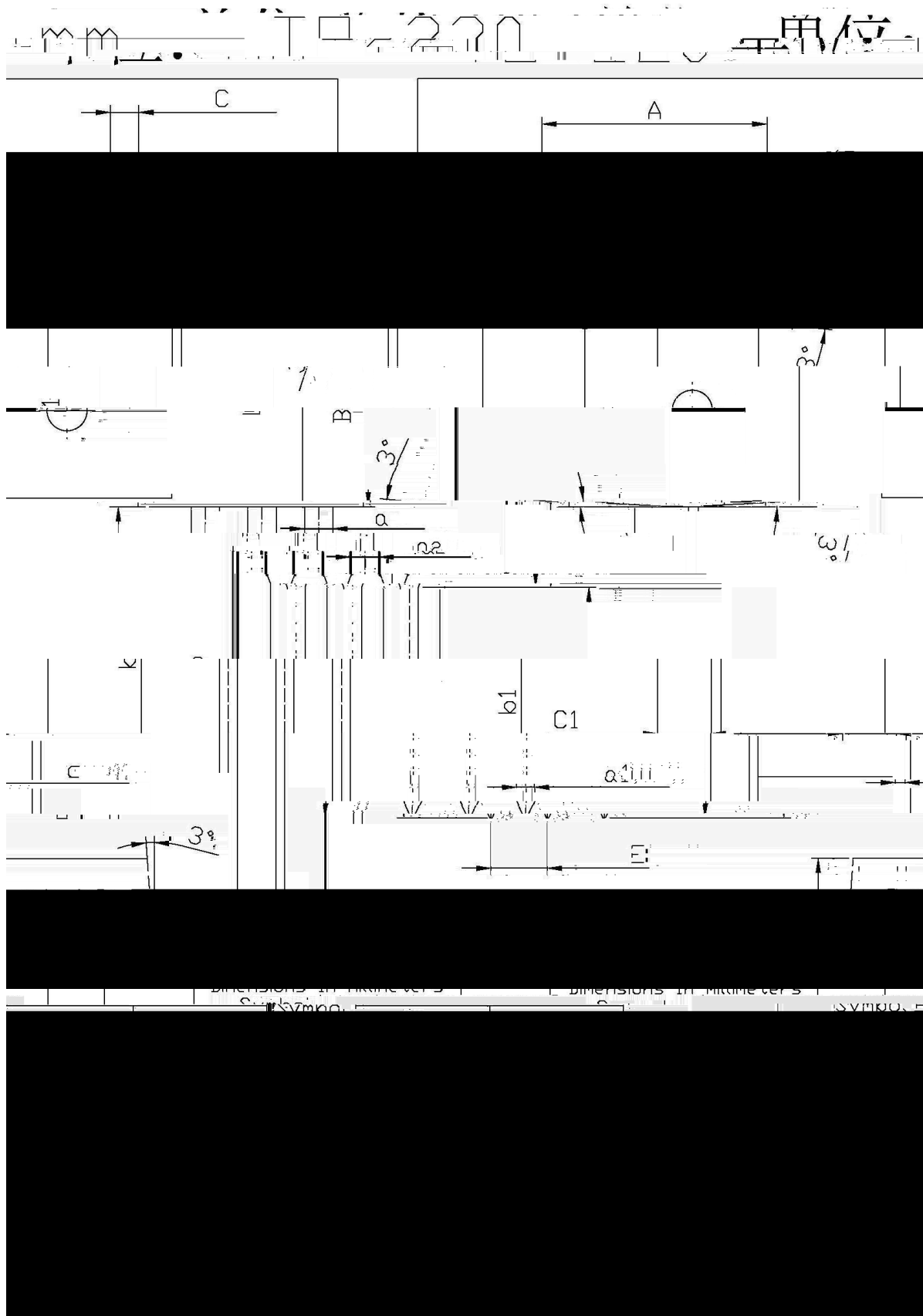
4. 采用脉冲测试方法，以减小自热效应。
Short duration pulse test used to minimize self-heating effect.

2. 除非另有说明，否则所有参数均为单片值。
Unless otherwise noted, values for the parameters of a single chip

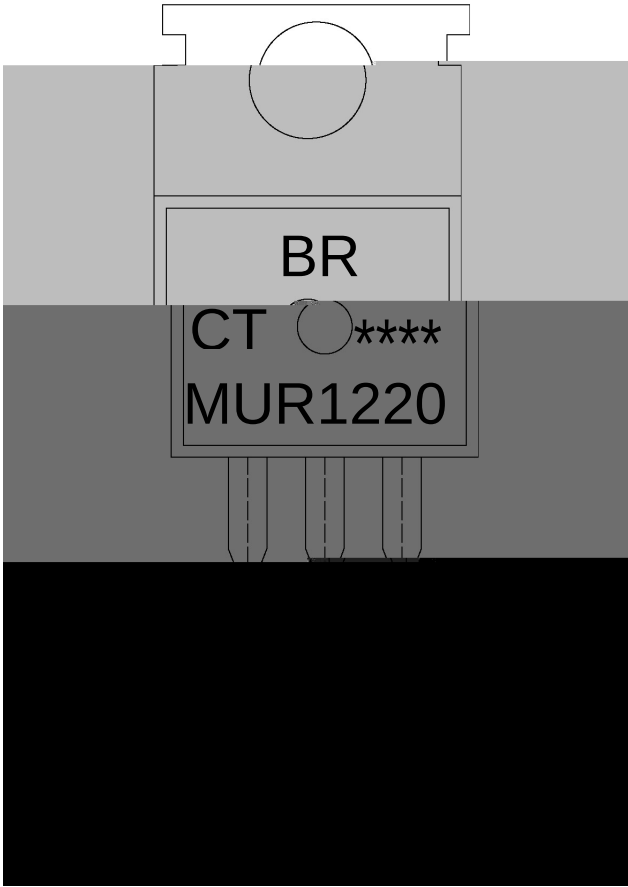
电 压 特 性 / Electrical Characteristic Curve



⊂ É Ò Ì f / Package Dimensions



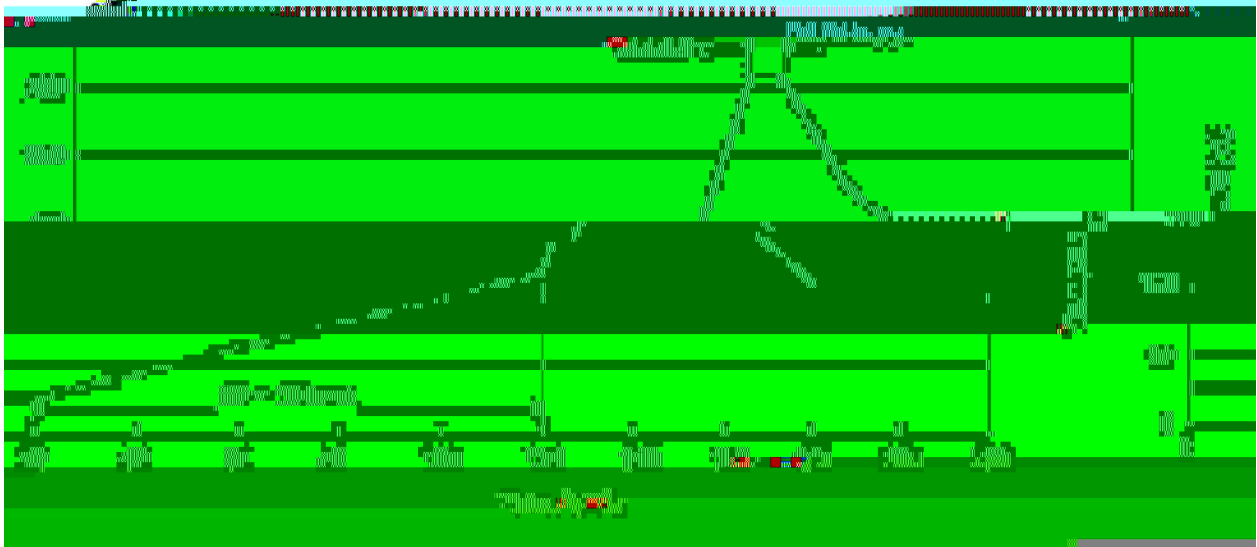
4. 1. 2 / Marking Instructions



Б " X	
EU X	К 3 " П
P XU4553 X	К F β 3 N
FW:	К л ъ л =
---- X	К 1 F ъ N П 1 6 1 F ъ N ψ ρ
Note:	
BR:	Company Code
MUR1220 X	Product Type.
CT:	Internal Structure
****:	Lot No. Code, code change with Lot No.



↓ § ¶ ŵ'E ¶ f (ŵ'ŵ) / Temperature Profile for Dip Soldering(Pb-Free)



¶ " X

1. ŵ'ŵ 25 K 150 † i 'H ŵ 60 K 90sec;
2. Ŝ Ŝ ŵ 255 ° 5 † i 'H ŵ 'Y / 5 ° 0.5sec;
3. i ' ŵ, ŵ ŵ ŵ 2 K 10 † /sec.

Note:

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

† ŵ q ŵ 'Y ¶ / Resistance to Soldering Heat Test Conditions

ŵ ŵ X 270 ° 5 † 'H ŵ X 10 ° 1 sec. Temp.: 270±5 Time: 10±1 sec

¶ ŵ ŵ — / Packaging SPEC.

'Ŵ ¶ ŵ ŵ / 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	200	10	2,000	5	10,000	135×190	237×172×102	560×245×195

ŵ ŵ ŵ / TUBE

Package Type	Units	Dimension (unit mm ³)
Units/Tube T /		