

MURJ1220CT

Rev.E Mar.-2016

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

Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage	V_{RRM}	200	V
RMS Voltage	V_{RMS}	140	V
DC Blocking Voltage	V_{DC}	200	V
Average Rectified Forward Current	I_F	2×6	A
Non Repetitive Peak Surge Current	I_{FSM}	100	A
Thermal Resistance Junction to Case	R_{JC}	2.9	/W
Storage Temperature Range	T_j T_{stg}	-55 150	

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

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Forward Voltage	V_F	$I_F=2.0A(T_C=25^\circ\text{C})$		0.82		V
		$I_F=2.0A(T_C=125^\circ\text{C})$		0.68		V
		$I_F=6.0A(T_C=25^\circ\text{C})$		0.92	1.0	V
		$I_F=6.0A(T_C=125^\circ\text{C})$		0.82	0.9	V
Instantaneous Reverse Current	I_R	$V_R=200V(T_a=25^\circ\text{C})$			10	A
		$V_R=200V(T_a=125^\circ\text{C})$			150	A
Reverse Recovery Time	t_{rr}	$I_F=0.5A$ $I_R=1.0A$ $I_{RR}=0.25A$			35	ns

/Notes

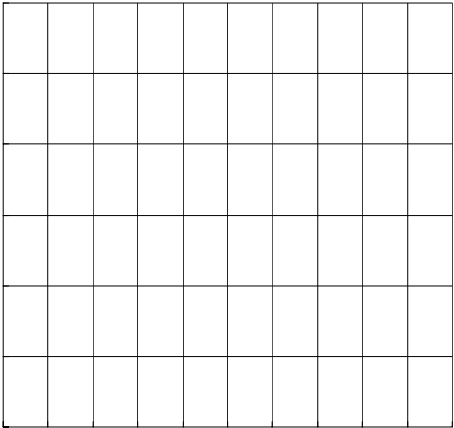
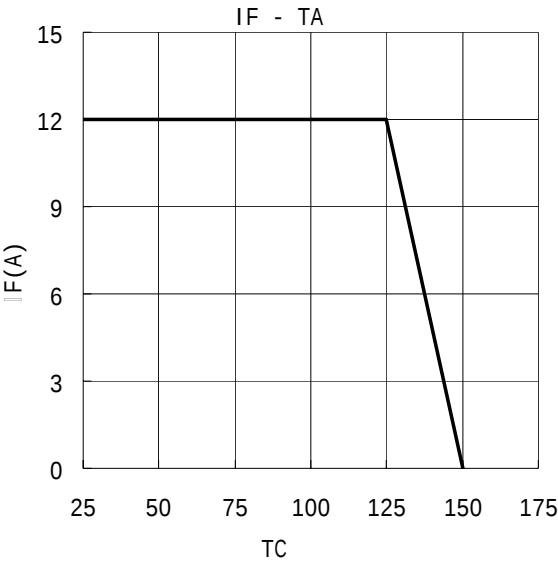
1.
effect.

/Short duration pulse test used to minimize self-heating

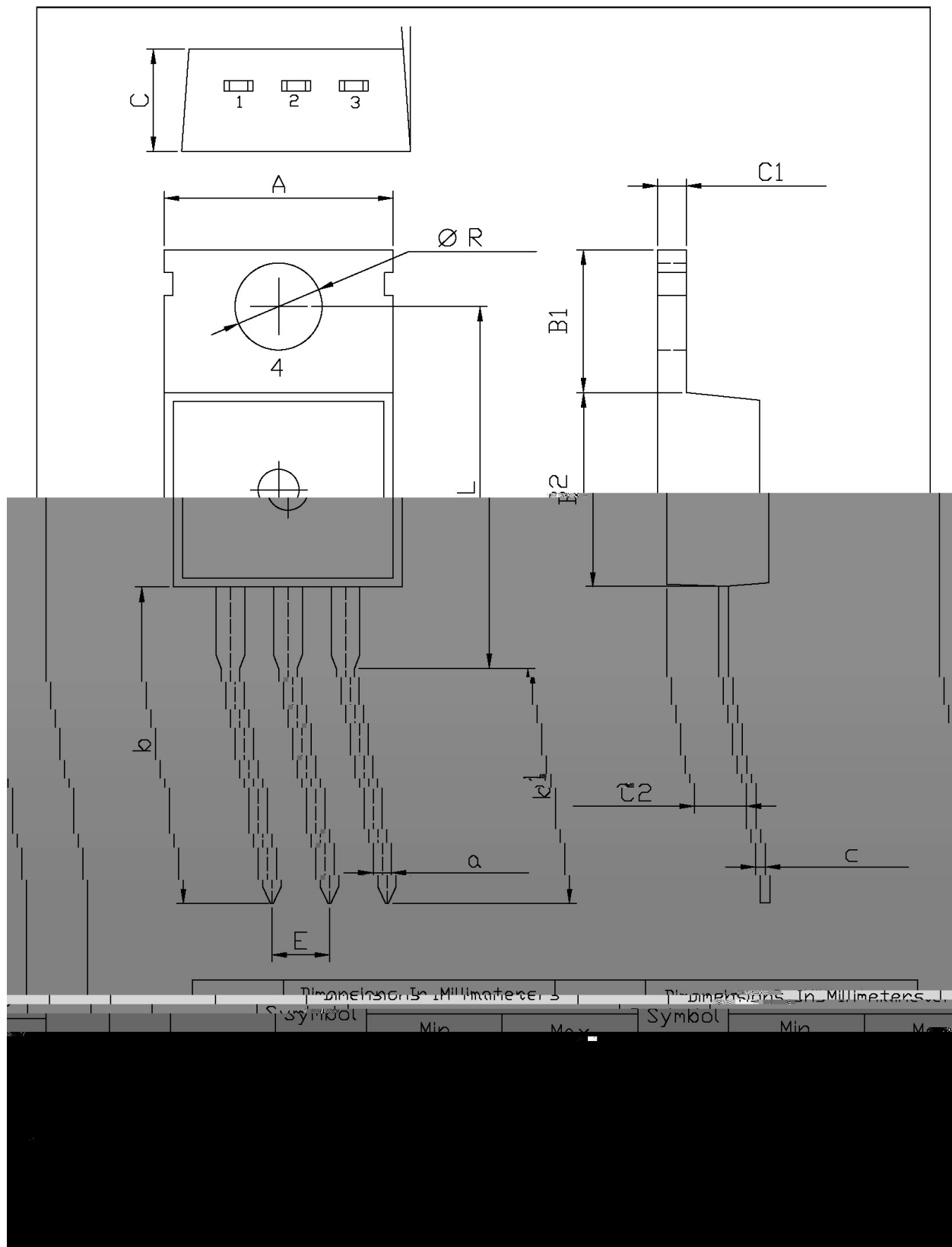
2.
single chip

/ Unless otherwise noted, values for the parameters of a

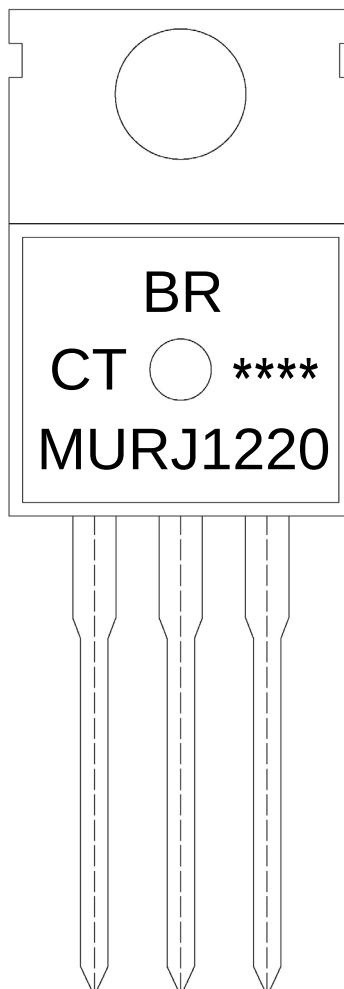
/ Electrical Characteristic Curve



T0-220S

Unit: 

/ Marking Instructions



BR

MURJ1220

CT:

Note:

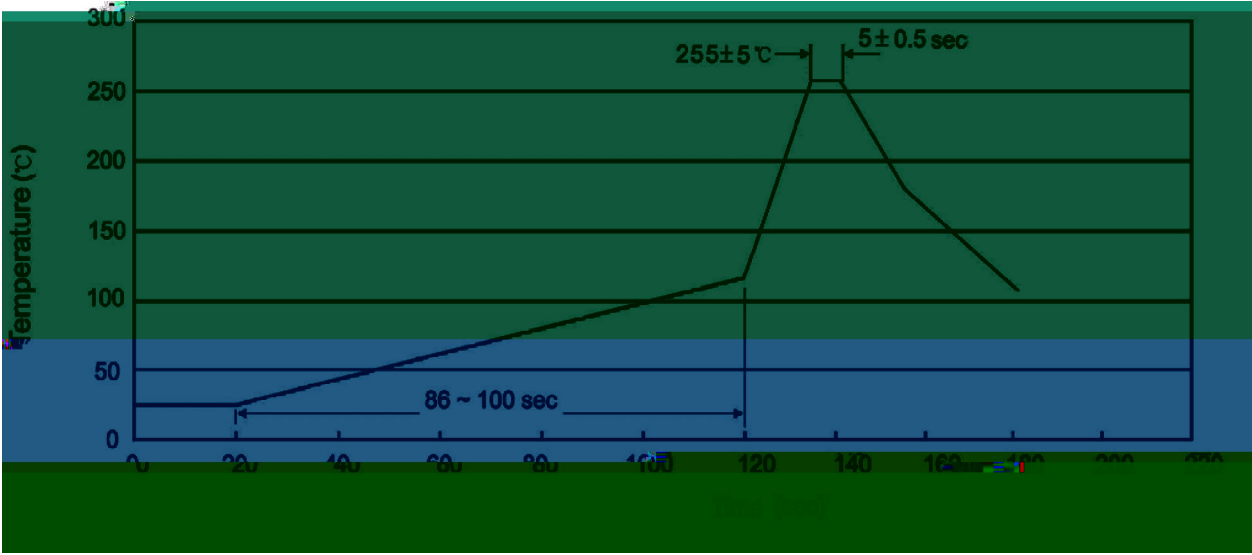
BR: Company Code

MURJ1220 Product Type.

CT: Internal Structure

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

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



Note:

- 1

25 150

60 90sec;

1.Preheating:25~150 , Time:60~90sec.
- 2

255±5

5±0.5sec;

2.Peak Temp.:255±5 , Duration:5±0.5sec.
- 3

2 10 /sec.

3. Cooling Speed: 2~10 /sec.

/ Resistance to Soldering Heat Test Conditions

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

/ Packaging SPEC.

/ TUBE

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm ³)		
	Units/Tube 只/套管	Tubes/Inner Box 套管/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Tube 套管	Inner Box 盒	Outer Box 箱
TO-220S	50	20	1000	5	5000	532×31.4×5.5	555×164×50	575×290×180

/ Notices