

# MUR2060CT

Rev.A Dec.-2024

## / Descriptions



Fast Recovery Epi Diodes in a TO-220 Plastic Package.

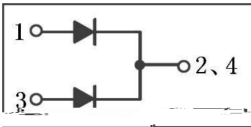
## / Features

High frequency operation, High surge forward current capability, HF Product.

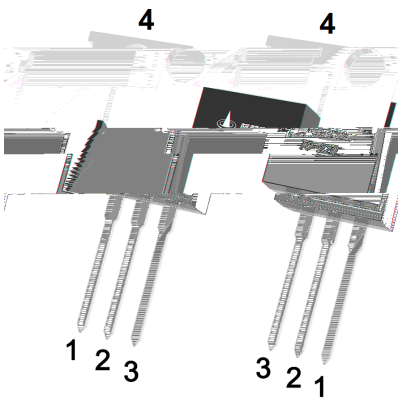
## / Applications

For high frequency, high voltage, high current rectifier diode, freewheeling diode.

## / Equivalent Circuit



## / Pinning



PIN1 Anode    PIN 2 4 Cathode    PIN 3 Anode

## / Marking

See Marking Instructions.

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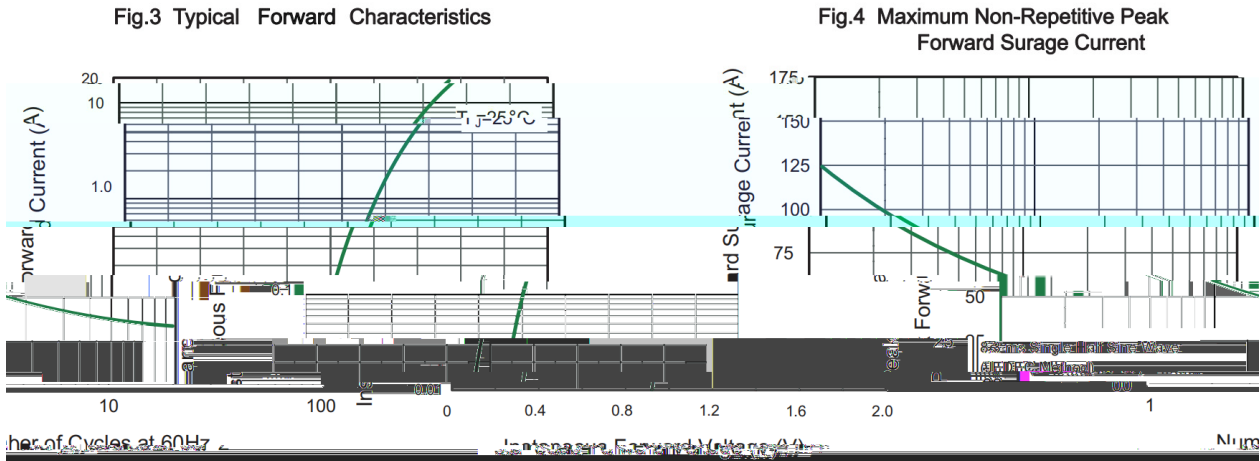
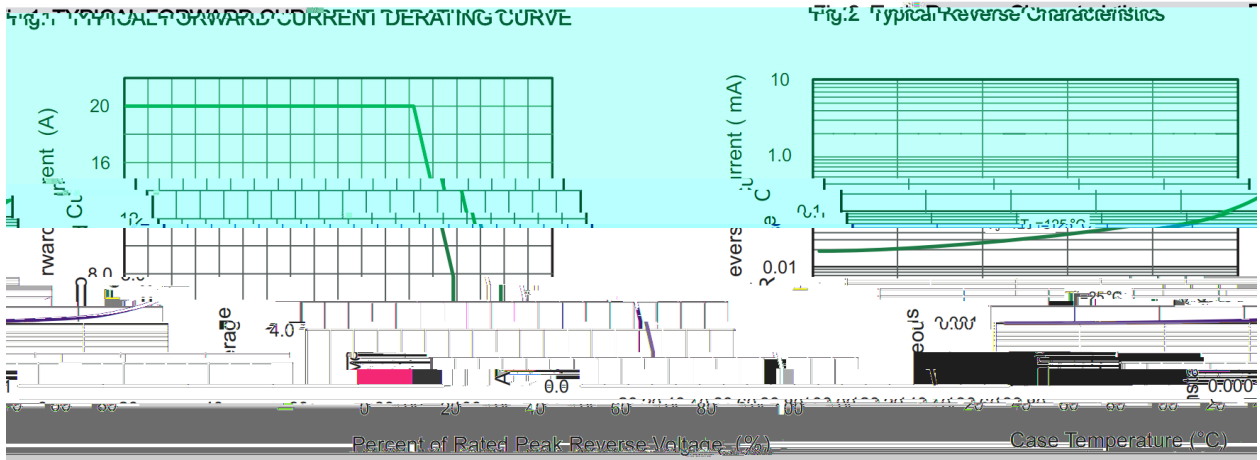


DATA SHEET

Parameter	Symbol	Rating	Unit
Maximum Recurrent Peak Reverse Voltage	$V_{RRM}$	600	V
Maximum RMS voltage	$V_{RMS}$	420	V
Maximum DC blocking Voltage	$V_{DC}$	600	V
Maximum Average Forward Rectified Current @ $T_c=100^{\circ}C$	$I_{F(AV)}$	10x2	A
Peak Forward Surge Current,8.3ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	$I_{FSM}$	125	A
Maximum Thermal Resistance Junction To Case	$R_{Jc}$	4	/W
Operation Junction Temperature and Storage Temperature	$T_j, T_{stg}$	-40~150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Forward Voltage	$V_F$	$I_F=10A$ $T_C=25^{\circ}C$		1.35	1.5	V
		$I_F=10A$ $T_C=125^{\circ}C$			1.25	
Instantaneous Reverse Current	$I_R$	$V_R=600V$ $T_a=25^{\circ}C$			10	A
		$V_R=600V$ $T_a=125^{\circ}C$			500	

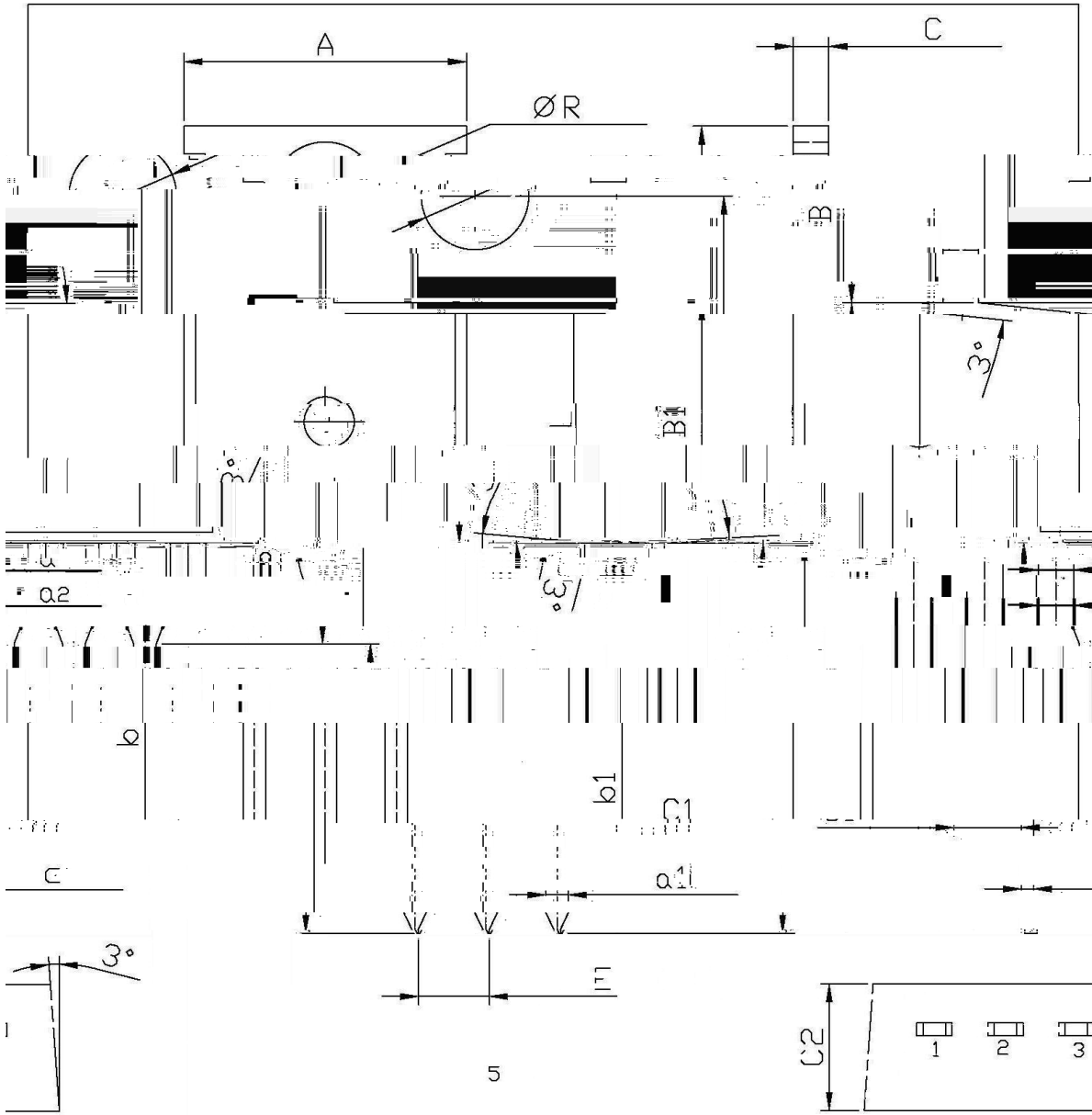
**/ Electrical Characteristic Curve**



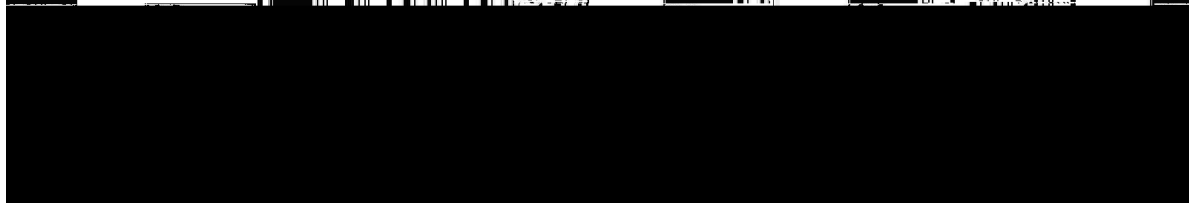
/ Package Dimensions

TO-220

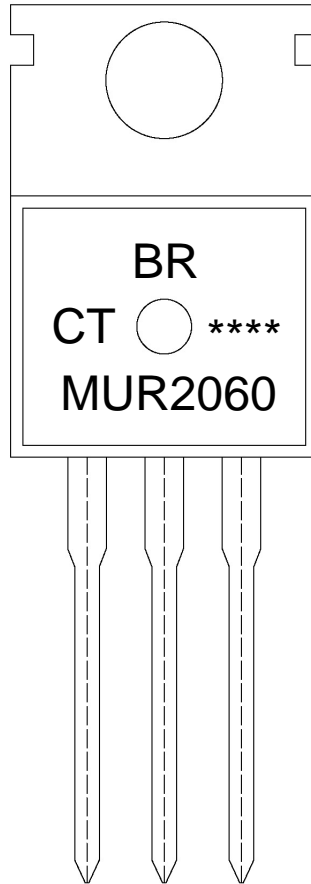
单位: mm



Dimensions In Millimeters		Dimensions In Millimeters	
Max	Symbol	Min	Symbol
1.4	A	9.8	C
6.7	R	3.56	B
9.4		15.7	B1
2.6		12.6	C1



**/ Marking Instructions**



Note:

BR:

Company Code

MUR2060

Product Type Code

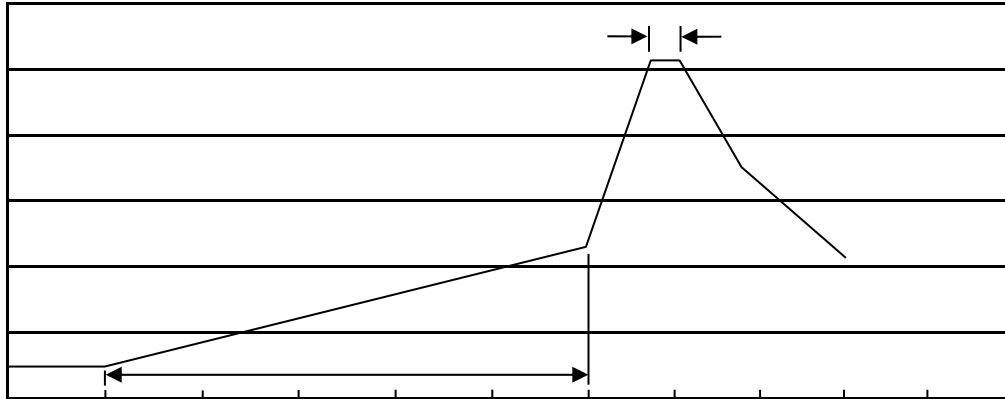
CT:

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.**

/ BULK

Package Type	Units					Dimension (unit mm <sup>3</sup> )		
	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	135x190	237x172x102	560x245x195

/ TUBE

Package Type	Units					Dimension (unit mm <sup>3</sup> )		
	Units/Tube /	Tubes/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Tube	Inner Box	Outer Box
TO-220/F	50	20	1,000	5	5,000	532x31.4x5.5	555x164x50	575x290x180

**/ Notices**