

MUR1060CT

Rev.G Oct.-2018

/ Descriptions

TO-220

Ultrafast Recovery Diode in a TO-220 Plastic Package.

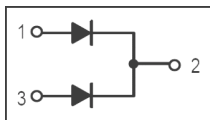
/ Features

Silicon epitaxial process to produce ultrafast recovery diode with low reverse leakage current and high reliability.

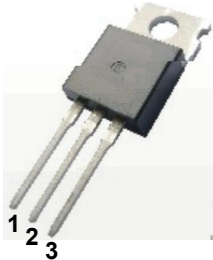
/ Applications

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

/ Equivalent Circuit



/ Pinning



PIN1 Anode

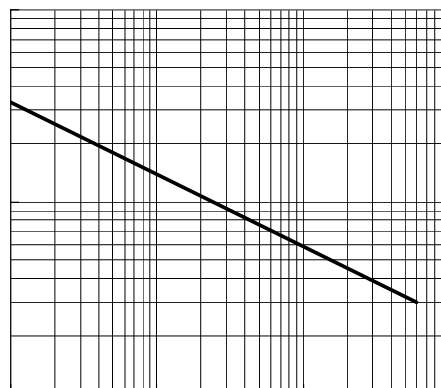
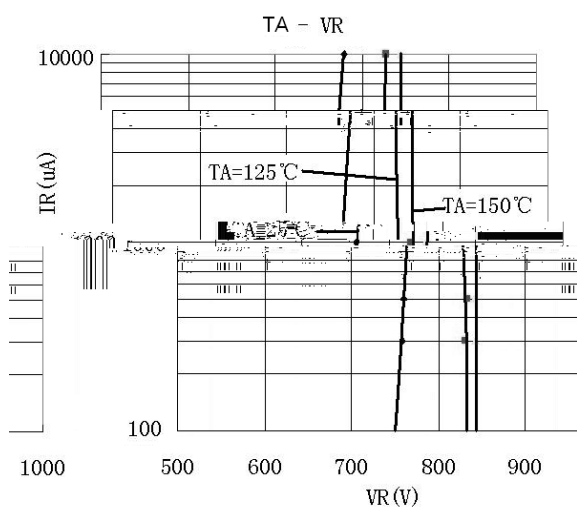
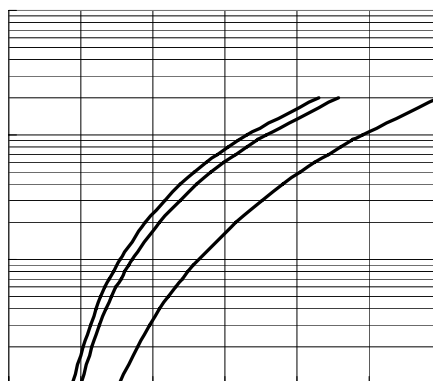
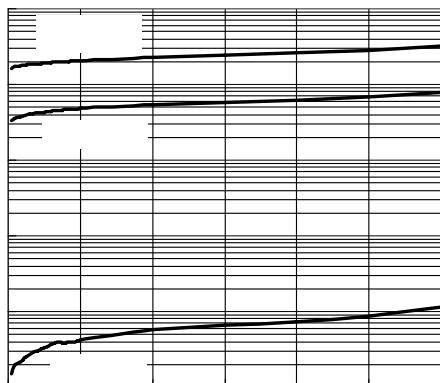
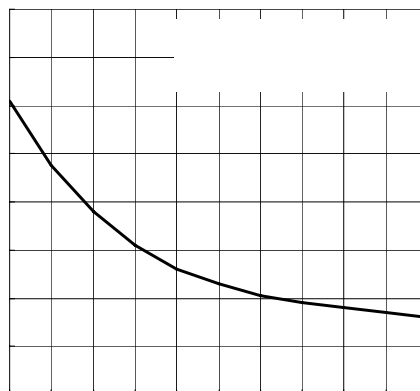
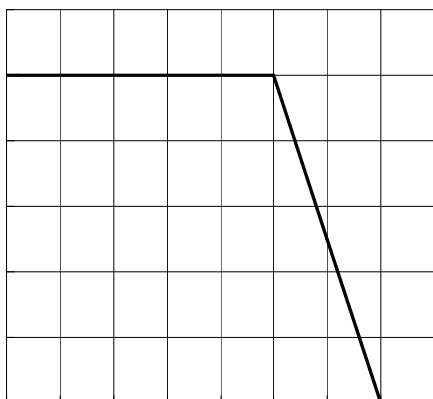
PIN 2 Cathode

PIN 3 Anode

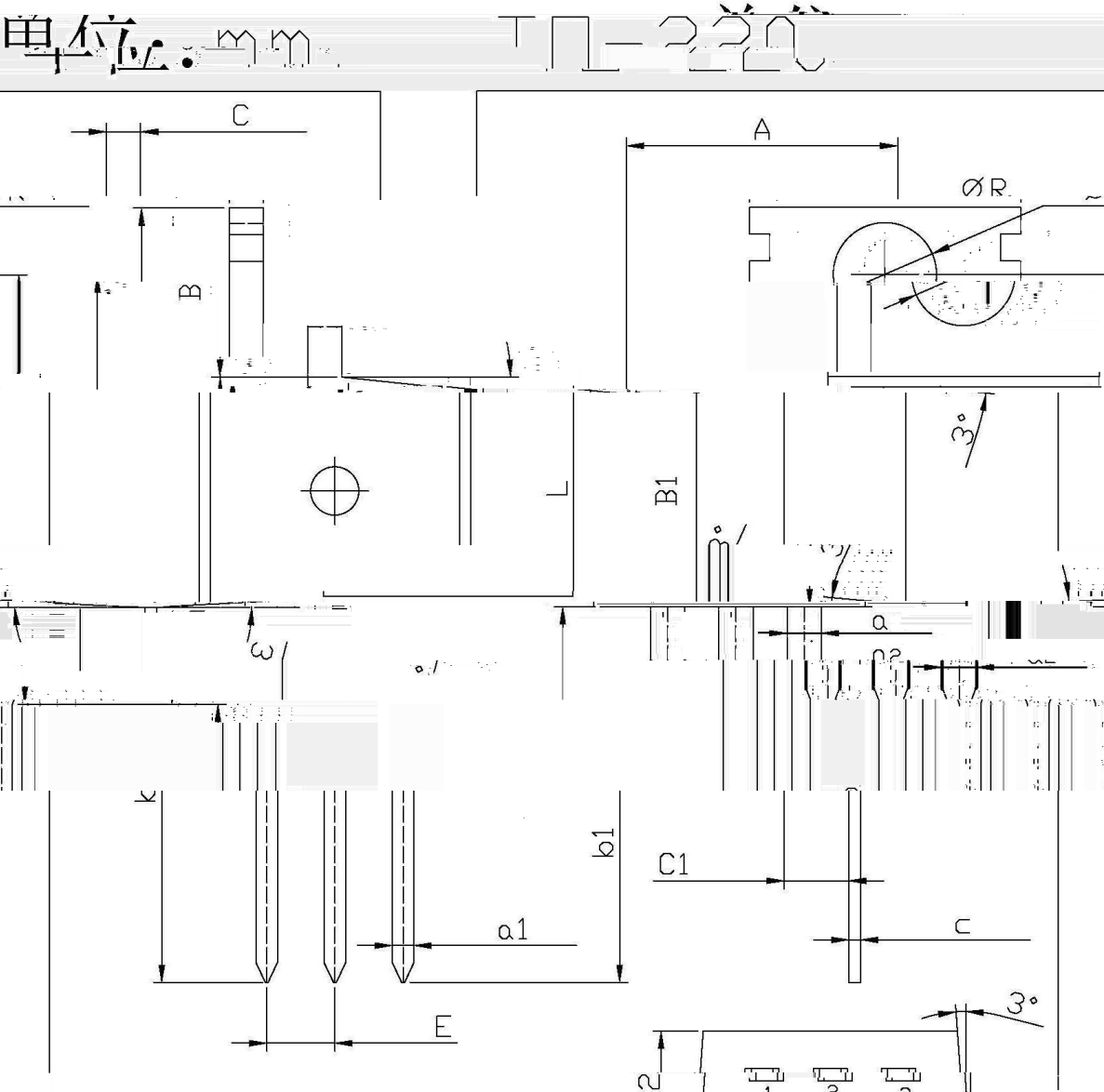
/ h_{FE} Classifications & Marking

See Marking Instructions

/ **Electrical Characteristic Curve**

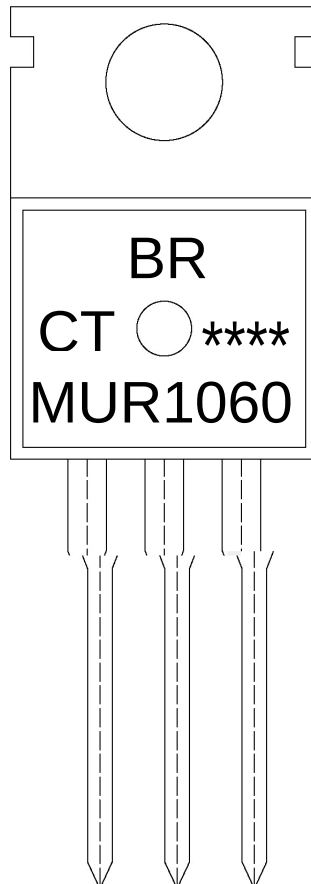


/ Package Dimensions



Dimensions in Millimeters			Dimensions in Millimeters		
Symbol	Min	Max	Symbol	Min	Max
A	9.0	9.8	C	12.6	14.0
B	9.4	10.2	C1	15.7	16.1
B1	2.2	2.6	E	12.6	13.6
C	2.2	2.6	a	12.6	13.6
A1	15.7	16.1	a1	12.6	13.6
B1	2.2	2.6	b1	12.6	13.6
C1	15.7	16.1	c	12.6	13.6
E	12.6	13.6	k	12.6	13.6
a	12.6	13.6	R	0.2	0.4
a1	12.6	13.6			
b1	12.6	13.6			
c	12.6	13.6			
k	12.6	13.6			
R	0.2	0.4			

/ Marking Instructions



BR

MUR1060

CT:

Note:

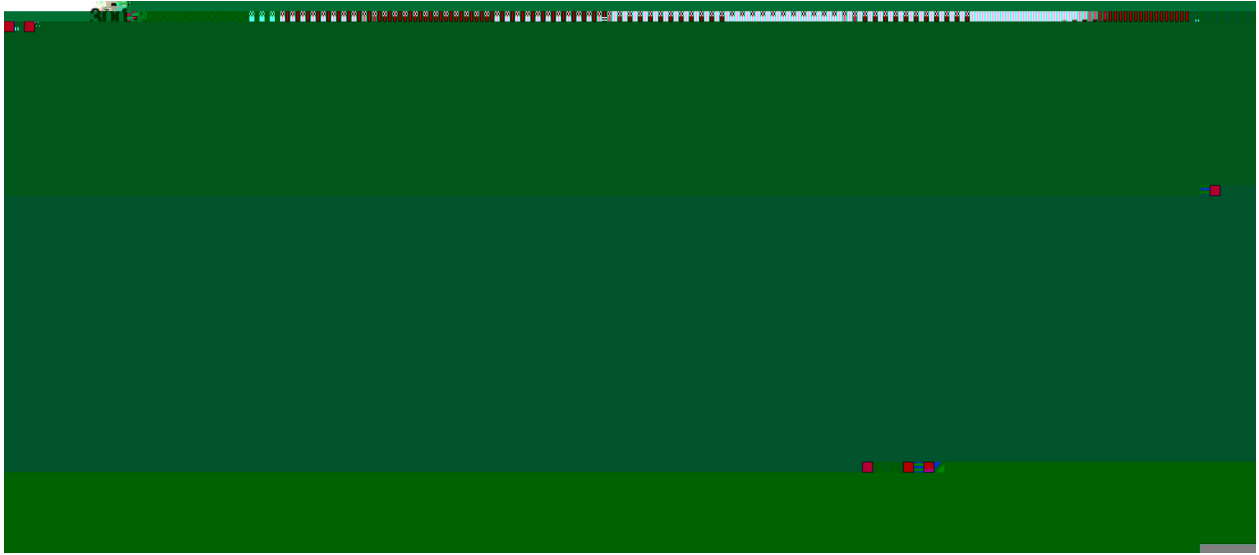
BR: Company Code

MUR1060 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.

/ 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

/ TUBE

Package Type	Units					Dimension (unit mm ³)		
	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	532×31.4×5.5	555×164×50	575×290×180

/ Notices