

## / Descriptions

Ultrafast Recovery Diode in a TO-220AC Plastic Package.

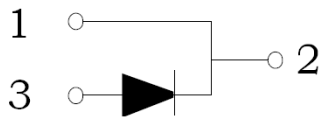
## / Features

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

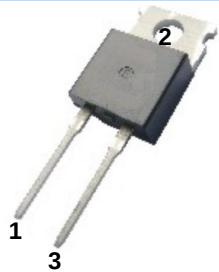
## / Applications

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

## / Equivalent Circuit



## / Pinning



PIN1 2 Cathode

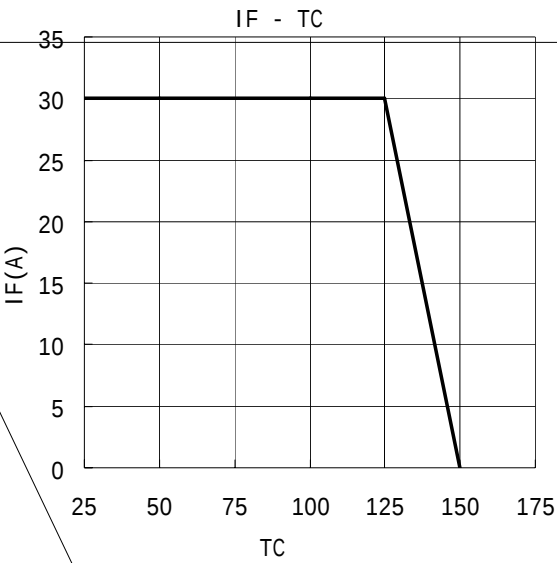
PIN 3 Anode

## / $h_{FE}$ Classifications & Marking

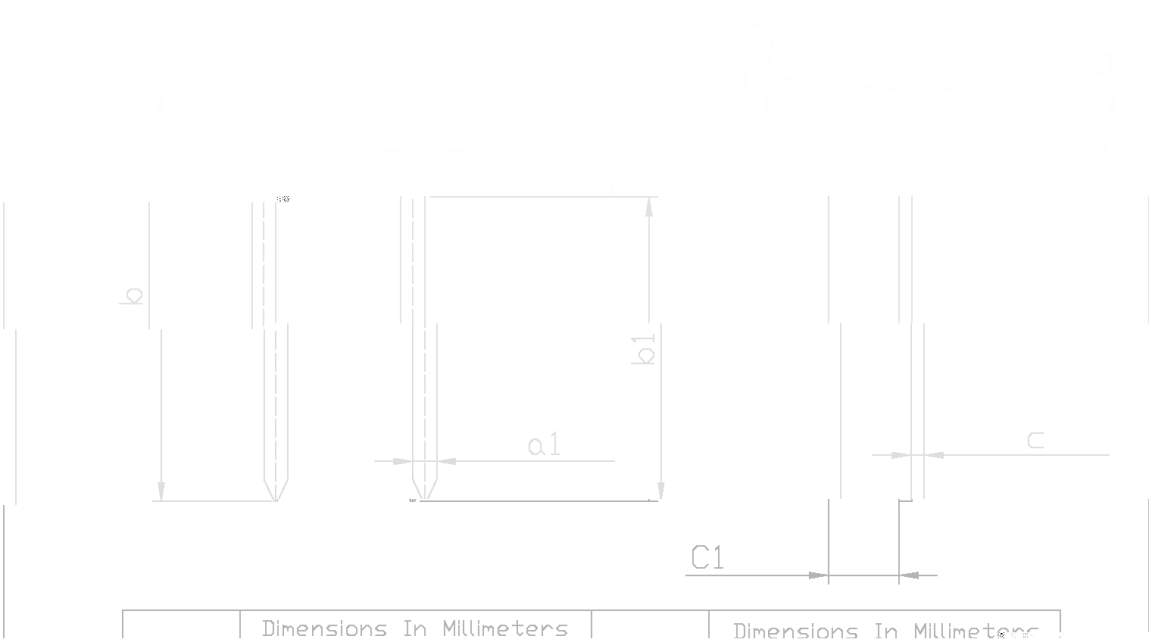
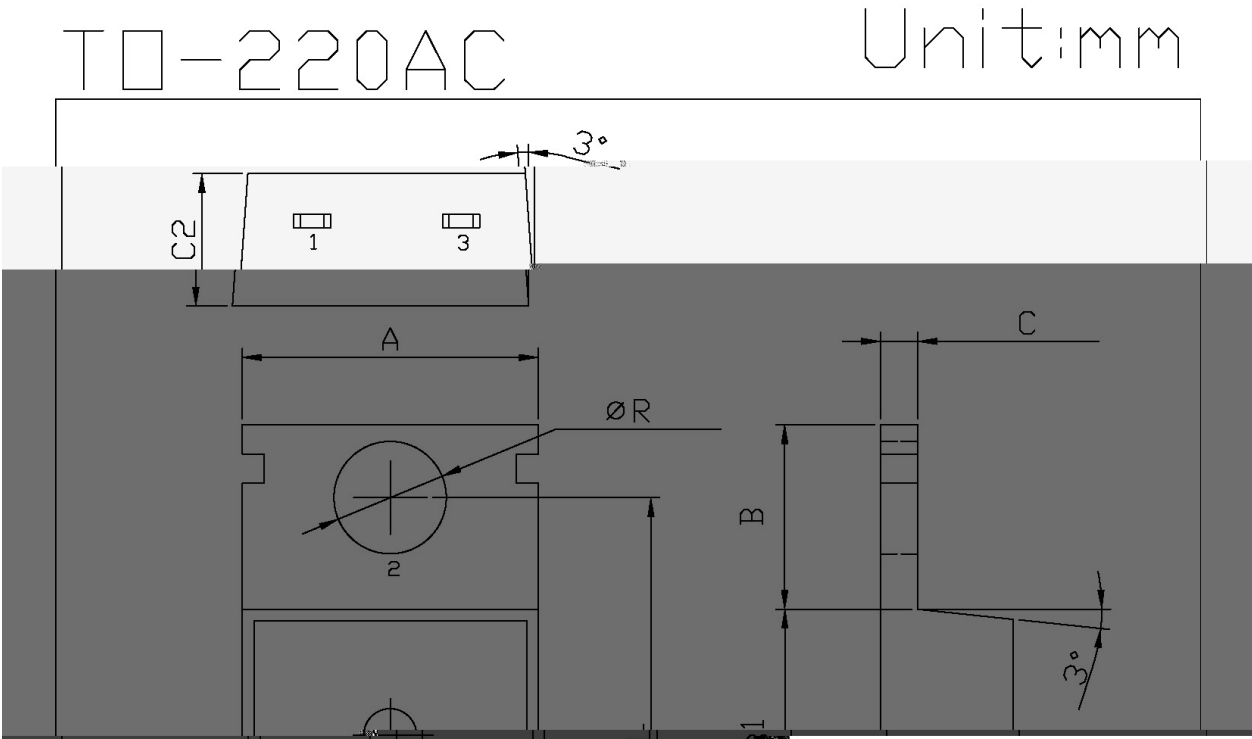
See Marking Instructions

| 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    |
| Maximum Average Forward Current             | $I_F$           | 1 × 30 | A    |
| Peak forward surge current                  | $I_{FSM}$       | 300    | A    |
| Typical Thermal Resistance Junction to Case | $R_{\theta JC}$ | 2.8    | /W   |
| Junction Temperature Range                  | $T_J$           | 150    |      |
| Storage Temperature Range                   | $T_J$           |        |      |

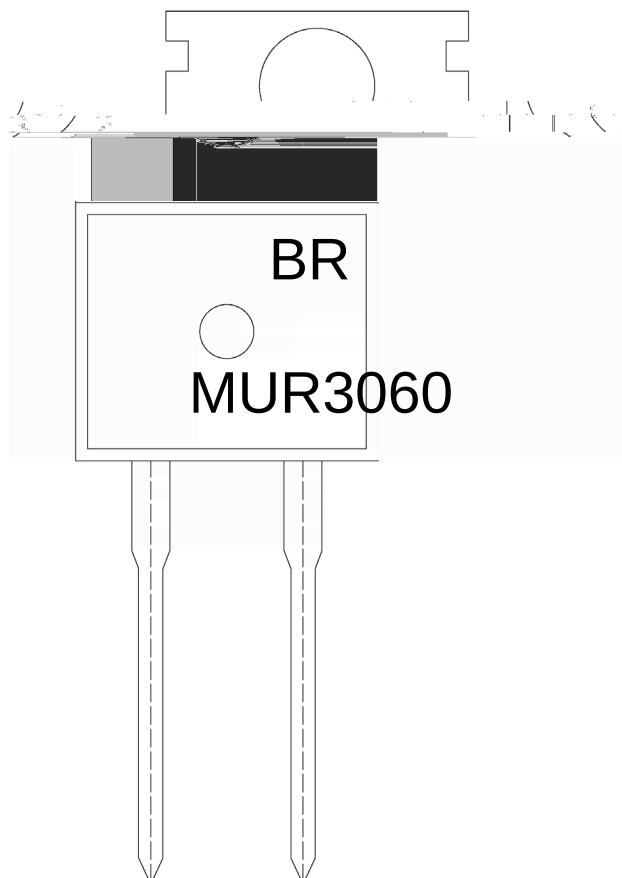
/ Electrical Characteristic Curve



/ Package Dimensions



**/ Marking Instructions**



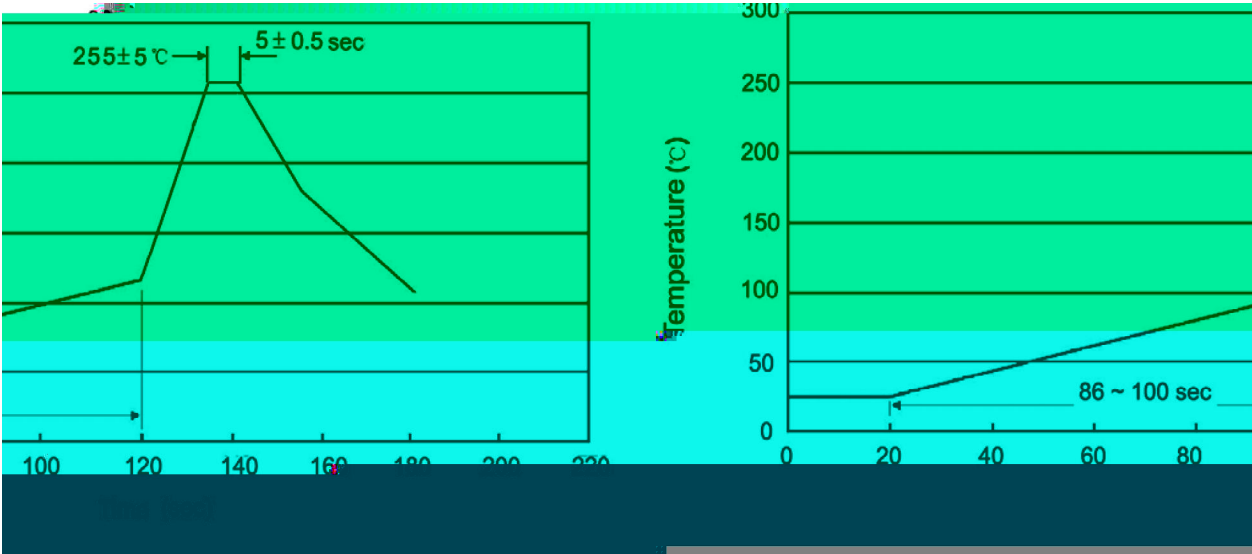
Note:

BR: Company Code

MUR3060 Product Type.

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

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



Note:

- 1

25 150

60 90sec;
- 2

255 5

5 0.5sec;
- 3

2 10

/sec.
- 1.Preheating:25~150

, Time:60~90sec.
- 2.Peak Temp.:255 5

, Duration:5 0.5sec.
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 包装数量 |     | Dimension 包装尺寸 (unit: mm <sup>3</sup> ) |
|--------------|------------|-----|-----------------------------------------|
| 封装形式         | 只 袋        | 袋 盒 | 只 盒                                     |