

# MUR2020CT

Rev.G Oct.-2018

## / Descriptions

TO-220

Ultrafast Recovery Diode in a TO-220 Plastic Package.

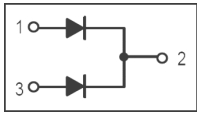
## / Features

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

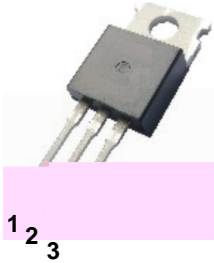
## / Applications

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

## / Equivalent Circuit



## / Pinning



PIN1 Anode

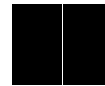
PIN 2 Cathode

PIN 3 Anode

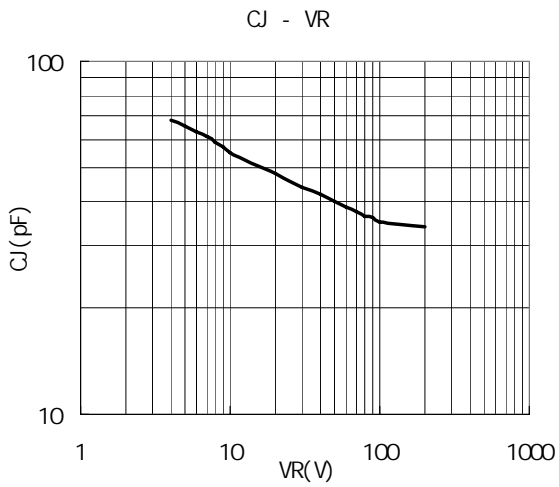
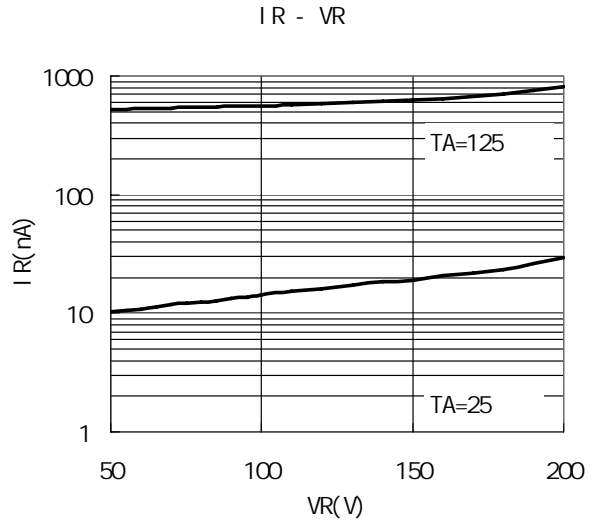
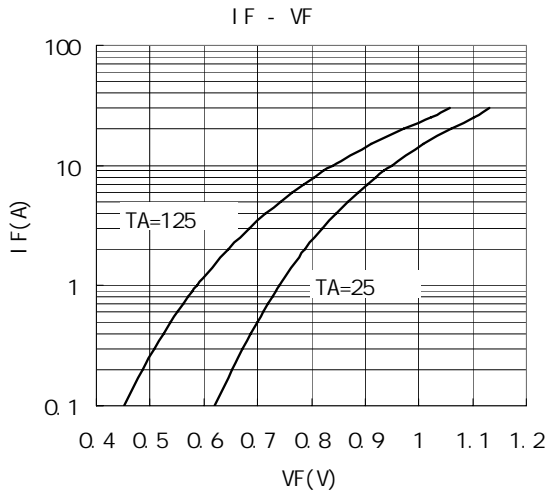
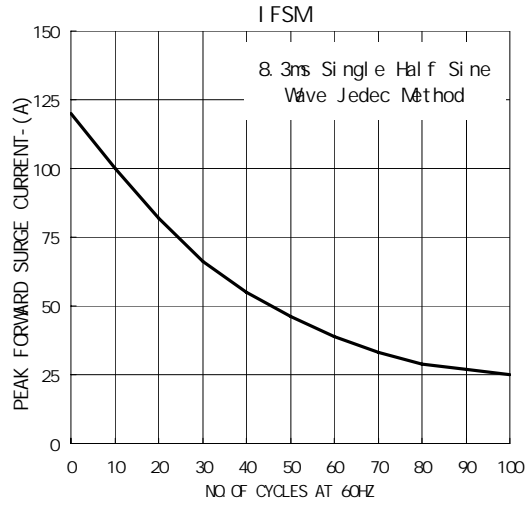
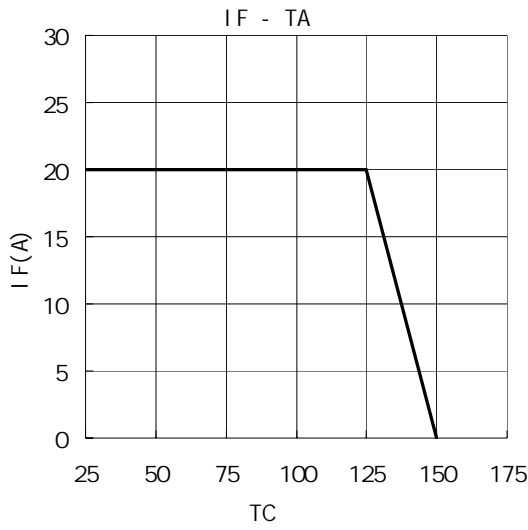
## / h<sub>FE</sub> Classifications & Marking

See Marking Instructions

Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage	V		



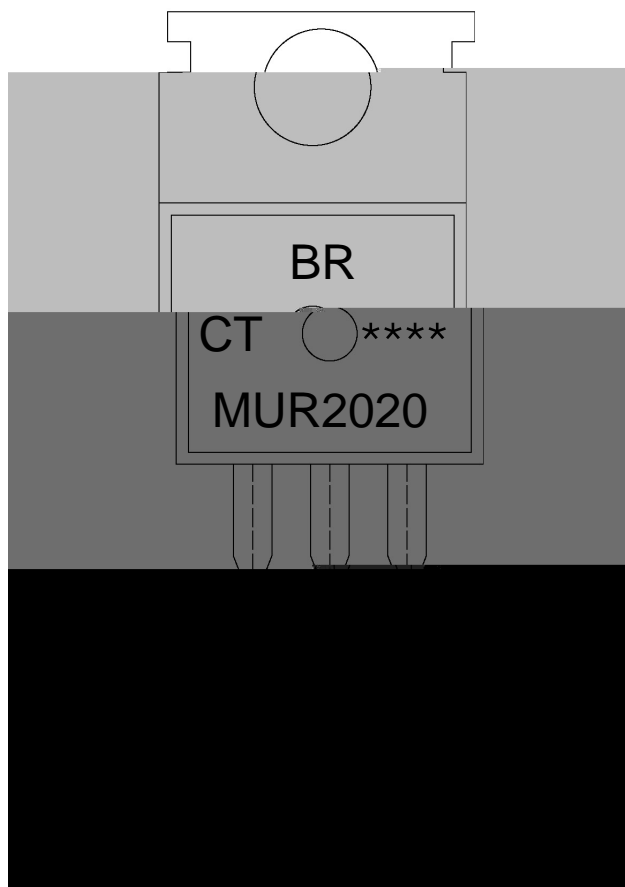
**/ Electrical Characteristic Curve**



/ Package Dimensions



/ Marking Instructions



BR

MUR2020

CT:

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Note:

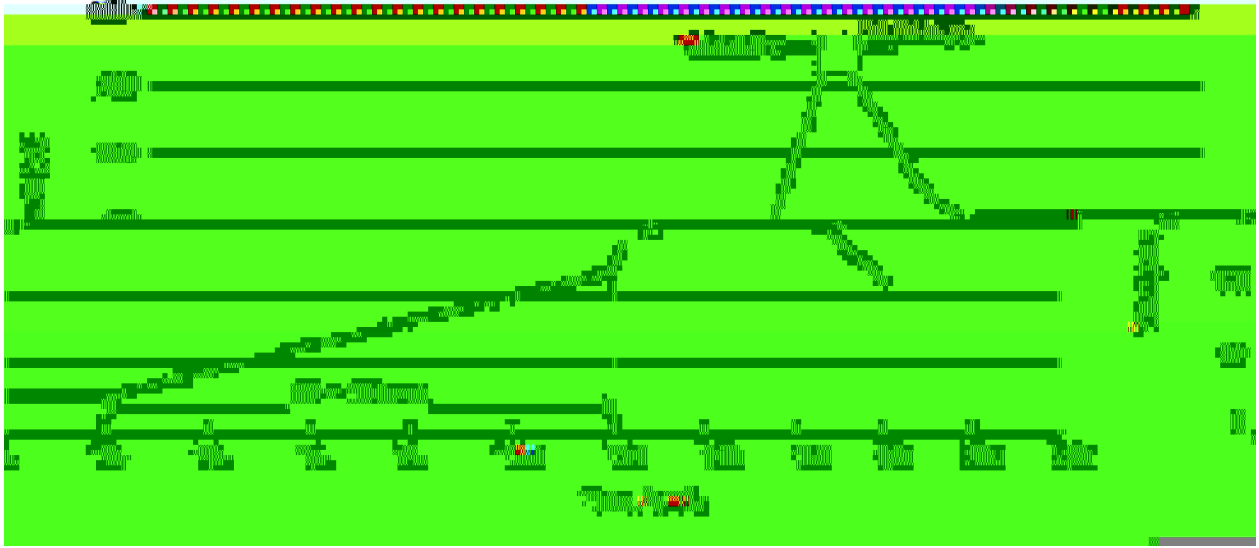
BR: Company Code

MUR2020 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 , 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/Tube	Tubes/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 <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	532×31.4×5.5	555×164×50	575×290×180