

MURJ2020CT

Rev.E Mar.-2016

/ Descriptions

TO-220S

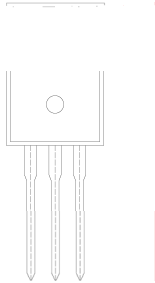
Ultrafast Recovery Diode in a TO-220S Plastic Package.

/ 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.



PIN1 Anode

PIN 2 Cathode

PIN 3 Anode

PIN 4 NC

/ h_{FE} Classifications & Marking

See Marking Instructions.

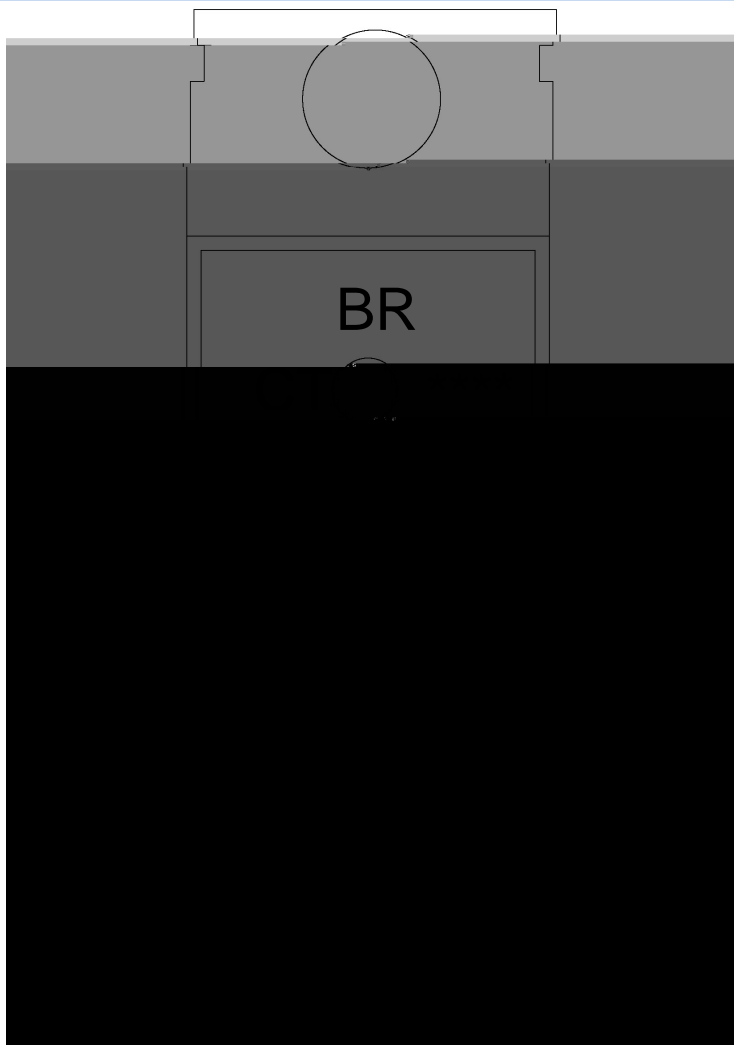
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| Parameter | Symbol | Rating | Unit |
|---------------------------------|-----------|--------|------|
| Peak Repetitive Reverse Voltage | V_{RRM} | 200 | V |
| RMS Voltage | V_{RMS} | 140 | V |
| DC Blocking Voltage | V_{DC} | | |

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/ Marking Instructions



BR

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CT:

Note:

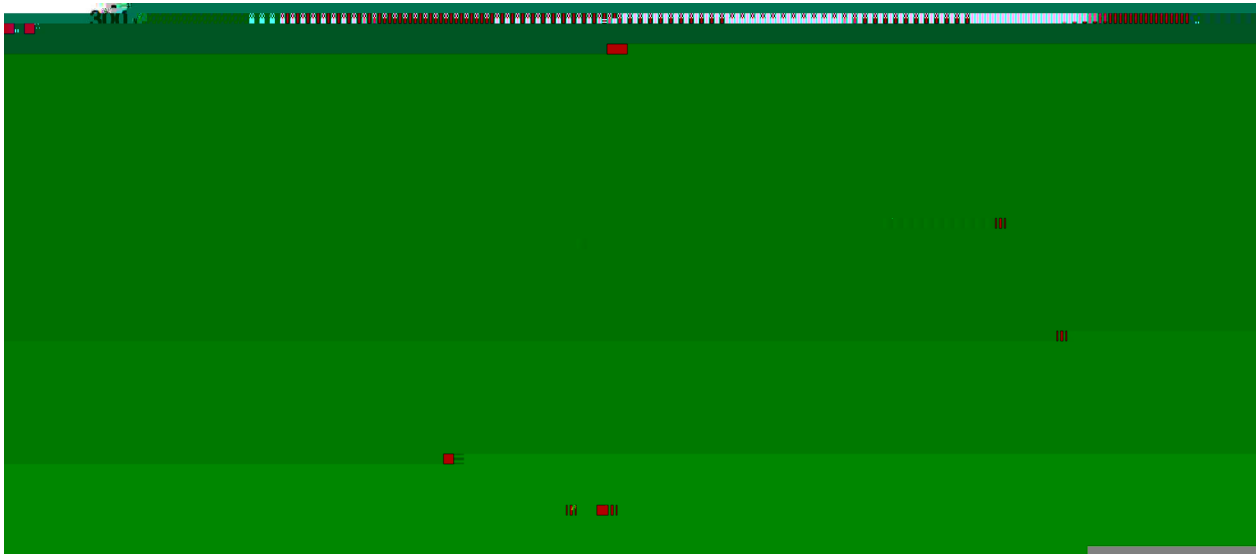
BR: Company Code

MURJ2020 Product Type.

CT: Internal Structure

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

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



- | | | | | | | |
|---|-------|-----|-----------|--------|---|--------------------------------------|
| 1 | 25 | 150 | 60 | 90sec; | Note: | 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 | Units | | | | | Dimension | (unit mm ³) |
|--------------|------------|-----------------|-----------------|-----------------------|-----------------|-----------|-------------------------|
| | Units/Tube | Tubes/Inner Box | Units/Inner Box | Inner Boxes/Outer Box | Units/Outer Box | | |
| Tube | 8 | 20 | 160 | 2 | 80 | 12.7 | 1.66290 |