



RECTRON SEMICONDUCTOR TECHNICAL SPECIFICATION

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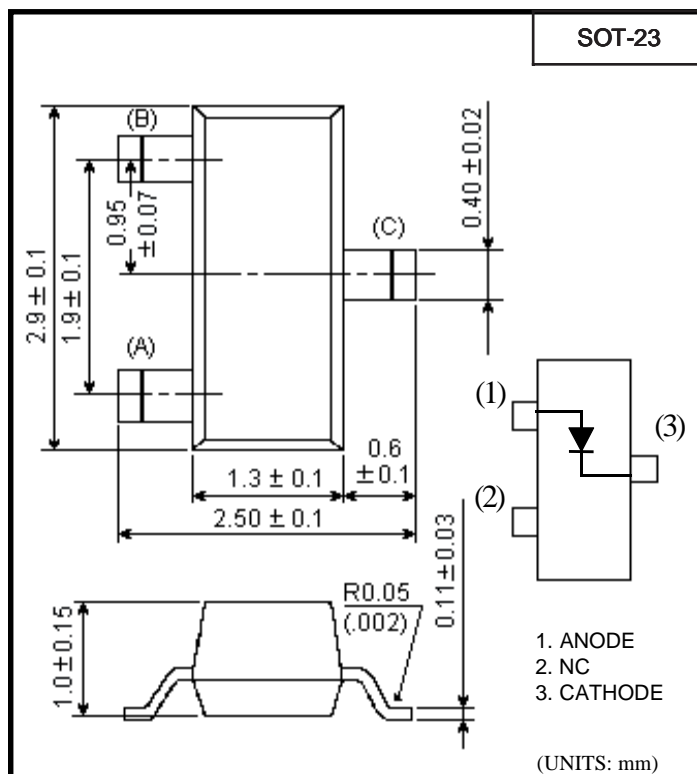
CMBD914

Absolute Maximum Ratings (Ta=25°C)

| ITEMS | Symbol | Ratings | Unit |
|------------------------------|--------|------------|------|
| Reverse Voltage | VR | 75 | V |
| Reverse Recovery Time | trr | 4 | ns |
| Forward Voltage @ If = 10 mA | VF | 1.0 | V |
| Forward Current | IF | 200 | mA |
| Junction Temp. | Tj | -55 to 150 | °C |
| Storage Temp. | Tstg | -55 to 150 | °C |

Mechanical Data

| ITEMS | Materials |
|-------------|----------------|
| Package | SOT-23 |
| Lead Frame | 42 Alloy |
| Lead Finish | Solder Plating |
| Bond Wire | Au |
| Mold Resin | Epoxy |
| Chip | Silicon |



Electrical Characteristics (Ta=25°C)

| RATINGS | SYMBOL | RATINGS | UNIT |
|---|--------|-----------|------|
| Minimum Reverse Breakdown Voltage IR= 100uA | VBR | 100 | V |
| Continuous Reverse Voltage | VR | 75 | V |
| Forward Voltage IF= 10 mA | VF | 1.0 | V |
| Reverse Current VR= 20V VR= 75V | IR | .025 5 | uA |
| Junction Capacitance VR = 0 V, f = 1MHz | Cj | 4 | pF |
| Reverse Recovery Time IF= IR= 10mA; RL= 100 ohms | trr | 4 | ns |
| Thermal Resistance (junction to ambient) | RθJA | 556 | °C/W |

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