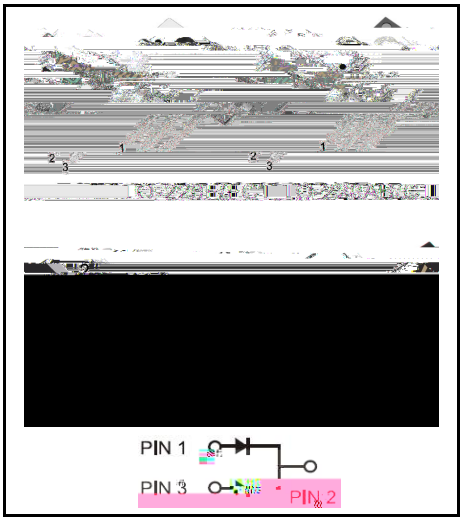


- Low forward voltage
- High current capability
- High forward surge capability
- Low power losses  High efficiency
- Guarding for over voltage protection

- Case: TO-220AB/CT TO-220F/FCT TO-263/DC
- Solder bath temperature275  maximum,10s per JESD22-106

| | |
|---|---|
| | |
| | |
| | |
| | |

| | | | | |
|---|---|---|---|---|
| | | | | |
| Maximum Repetitive Peak Reverse Voltage | | | 150 | |
| Working Peak Reverse Voltage | | | 105 | |
| Maximum DC Blocking Voltage | | | 150 | |
| Maximum Average Forward Rectified Current | Per Leg | | 15 | |
| | Total | | 30 | |
| Peak Forward Surge Current,8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method) | | | 450 | |
| Operating Temperature Range | | | 175 | |
| Storage Temperature Range | | | -40 to +175 | |
| Typical Thermal Resistance (Note1)<br>TO-220AB,TO-263<br>TO-220F | | | 2<br>4 | |

| | | | | | |
|---|---|---|---|---|---|
| | | | | | |
| Forward Voltage Drop(Note2) | | | | | |
| at I =10A | TA=25°C | | 0.76 | - | |
| | TA=125°C | | 0.63 | - | |
| at I =15A | TA=25°C | | 0.79 | 0.82 | |
| | TA=125°C | | 0.68 | - | |
| Maximum Reverse Current at V =150V | TA=25°C | | 5 | 10 | |
| | TA=125°C | | 3 | - | |

| | | | | |
|---|---|---|---|---|
| | ! ! "#$% | "&"'()*+&,-./%% | 0"12345678%% | +"""9:;4$(<%0"""9:;4:=>5(?% |

| | | | | |
|---|---|---|---|---|
| | | | | |
| #% | @&A"% | @&'"% | "&+-,% | "&+BO% |

%

| | | | | |
|---|---|---|---|---|
| | TO-220F | 0.06oz(1.74g) | | |

## Marking Diagram

## Ordering information

| Model name | Package | Unit Weight | Base Quantity | Packing Quantity |
|---|---|---|---|---|
| | TO-263 | 0.04oz(1.16g) | 800pcs/reel | 1600pcs/box 8000pcs/Carton |

## Package Dimensions

**TO-263**

| Dim | Millimeter | | Inches | |
|---|---|---|---|---|
| | Min. | Max. | Min. | Max. |
| A | 4.30 | 4.70 | 0.169 | 0.185 |
| A1 | 0.00 | 0.15 | 0.000 | 0.006 |
| A2 | 4.30 | 4.55 | 0.169 | 0.179 |
| B | 1.10 | 1.50 | 0.043 | 0.059 |
| b | 0.70 | 0.90 | 0.028 | 0.035 |
| b1 | 1.20 | 1.50 | 0.047 | 0.059 |
| c | 0.30 | 0.60 | 0.012 | 0.024 |

The information presented in this document is for reference only. GuangDong Youfeng Microelectronics Co.,Ltd. reserves the right to make changes without notice for the specification of the products displayed