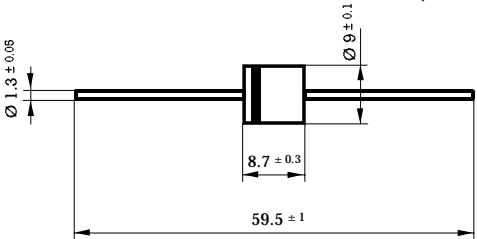



6 Amp. Glass Passivated Junction Rectifier

| | |
|--|---|
| <p>Dimensions in mm.</p> <p>P-6 (Plastic)</p>  <p>Mounting instructions</p> <ol style="list-style-type: none"> 1. Min. distance from body to soldering point, 4 mm. 2. Max. solder temperature, 350 °C. 3. Max. soldering time, 3.5 sec. 4. Do not bend lead at a point closer than 4 mm. to the body. | <p>Voltage 50 to 1000 V.</p> <p>Current 6.0 A. at 60 °C.</p> <p></p> <ul style="list-style-type: none"> • Glass passivated junction • High surge capability • High current capability • The plastic material carries U/L recognition 94 V-0 • Terminals: Axial Leads • Polarity: Color band denotes cathode |
|--|---|

Maximum Ratings, according to IEC publication No. 134 60/4500 60/4505 60/4510 60/4515 60/4520 60/4525 60/4530

| | | P600A | P600B | P600D | P600G | P600J | P600K | P600M |
|-------------|---|------------------|-------|-------|-------|-------|-------|-------|
| V_{RRM} | Peak recurrent reverse voltage (V) | 50 | 100 | 200 | 400 | 600 | 800 | 1000 |
| $I_{F(AV)}$ | Forward current at Tamb = 60 °C | 6 A | | | | | | |
| I_{FRM} | Recurrent peak forward current | 70 A | | | | | | |
| I_{FSM} | 8.3 ms. peak forward surge current (Jedec Method) | 400 A | | | | | | |
| T_j | Operating temperature range | – 65 to + 175 °C | | | | | | |
| T_{stg} | Storage temperature range | – 65 to + 175 °C | | | | | | |
| E_{RSM} | Maximum non repetitive peak reverse avalanche energy. $I_R = 1A$; $T_j = 25$ °C | 20 mJ | | | | | | |

Electrical Characteristics at Tamb = 25 °C

| | | |
|-------------|---|--------------------------|
| V_F | Max. forward voltage drop at $I_F = 6$ A | 1.1 V |
| I_R | Max. reverse current at V_{RRM} at 25 °C at 100 °C | 5 μ A 100 μ A |
| R_{thj-a} | Max. thermal resistance ($l = 10$ mm.) | 10 °C/W |

Rating and Characteristic Curves

