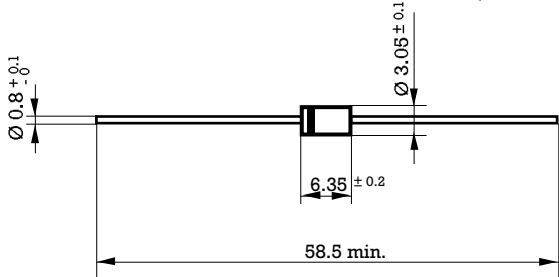


## 2 Amp. Silicon Rectifier Diodes

|                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Dimensions in mm.</b></p> <p><b>DO-15<br/>(Plastic)</b></p>  <p><b>Mounting instructions</b></p> <ol style="list-style-type: none"> <li>1. Min. distance from body to soldering point, 4 mm.</li> <li>2. Max. solder temperature, 350°C.</li> <li>3. Max. soldering time, 3,5 sec.</li> <li>4. Do not bend lead at a point closer than 2 mm. to the body.</li> </ol> | <p><b>Voltage</b><br/>50 to 1000 V.</p> <p><b>Current</b><br/>2.0 A. at 55°C.</p> <ul style="list-style-type: none"> <li>• Low cost</li> <li>• Diffused junction</li> <li>• High current capability</li> <li>• The plastic material carries U/L recognition 94 V-0</li> <li>• Terminals: Axial Leads</li> <li>• Polarity: Color band denotes cathode</li> </ul> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Maximum Ratings, according to IEC publication No. 134

|             |                                                      | <b>RF<br/>2001</b> | <b>RF<br/>2002</b> | <b>RF<br/>2003</b> | <b>RF<br/>2004</b> | <b>RF<br/>2005</b> | <b>RF<br/>2006</b> | <b>RF<br/>2007</b> |
|-------------|------------------------------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| $V_{RRM}$   | Peak recurrent and non recurrent reverse voltage (V) | 50                 | 100                | 200                | 400                | 600                | 800                | 1000               |
| $I_{F(AV)}$ | Forward current at $T_{amb} = 55^{\circ}C$           | 2 A                |                    |                    |                    |                    |                    |                    |
| $I_{FRM}$   | Recurrent peak forward current                       | 20 A               |                    |                    |                    |                    |                    |                    |
| $I_{FSM}$   | 8,3 ms. peak forward surge current<br>(Jedec Method) | 70 A               |                    |                    |                    |                    |                    |                    |
| $T_j$       | Operating temperature range                          | - 65 to + 150 °C   |                    |                    |                    |                    |                    |                    |
| $T_{stg}$   | Storage temperature range                            | - 65 to + 150 °C   |                    |                    |                    |                    |                    |                    |

### Electrical Characteristics at $T_{amb} = 25^{\circ}C$

|             |                                               |           |
|-------------|-----------------------------------------------|-----------|
| $V_F$       | Max. forward drop at $I_F = 2 A$              | 1.1V      |
| $I_R$       | Reverse current at $V_{RRM}$ at $25^{\circ}C$ | 5 $\mu A$ |
| $R_{thj-a}$ | Max. thermal resistance ( $l = 10 mm.$ )      | 45° C/W   |

## Characteristic Curves

