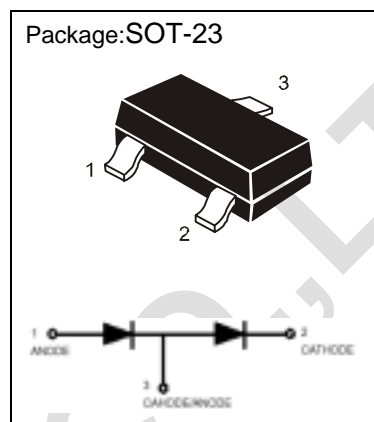


### ABSOLUTE MAXIMUM RATINGS at Ta=25°C

| Characteristic                  |        | Symbol           | Rating  | Unit |
|---------------------------------|--------|------------------|---------|------|
| Reverse Voltage                 | MA153  | V <sub>R</sub>   | 40      | Vdc  |
|                                 | MA153A |                  | 80      |      |
| Peak Repetitive Reverse Voltage | MA153  | V <sub>RM</sub>  | 40      | V    |
|                                 | MA153A |                  | 80      |      |
| Junction Temperature            |        | T <sub>J</sub>   | 150     | °C   |
| Storage Temperature             |        | T <sub>stg</sub> | -55-150 | °C   |

Package:SOT-23



### ELECTRICAL CHARACTERISTICS at Ta=25°C

| Characteristic        |                       | Symbol         | Min | Max | Unit | Test Conditions  |
|-----------------------|-----------------------|----------------|-----|-----|------|--|
| Reverse Current       | MA153                 | I <sub>R</sub> |     | 0.1 | uA   | V <sub>R</sub> =40V  |
|                       | MA153A                |                |     | 0.1 |      | V <sub>R</sub> =75V  |
| Forward Voltage       |                       | V <sub>F</sub> |     | 1.2 | V    | I <sub>F</sub> =100mA  |
| Reverse Voltage       | MA153                 | V <sub>R</sub> | 40  |     | V    | I <sub>R</sub> =100uA  |
|                       | MA153A                |                | 80  |     |      |  |
| Diode Capacitance     |                       | C <sub>T</sub> |     | 5   | PF   | V <sub>R</sub> =0 f=1.0MHz   |
| Reverse Recovery Time | T <sub>rr</sub> (2,3) |                |     | 150 | nS   | I <sub>F</sub> =10mA to I <sub>RR</sub> =1.0mA<br>V <sub>R</sub> =6.0V R <sub>L</sub> =100 Ω |
|                       | T <sub>rr</sub> (1,3) |                |     | 9   |      | I <sub>F</sub> =10mA to I <sub>RR</sub> =1.0mA<br>V <sub>R</sub> =6.0V R <sub>L</sub> =100 Ω |

DEVICE MARKING:

MA153=MC

MA153A=MP