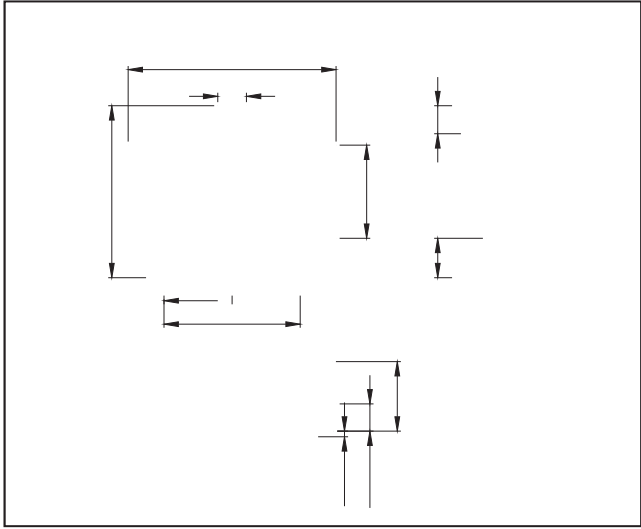


SOT-23 6PDOO 6LJQDO 6ZLWFKLQJ 'LRGHV

Fast Switching Speed  
 Surface Mount Package Ideally Suited for  
 Automatic Insertion  
 For General Purpose Switching Applications  
 High Conductance

**MECHANICAL DATA**  
 Case: SOT-23 Small Outline Plastic Package  
 Polarity: Color band denotes cathode end  
 Mounting Position: Any



@ 25°C Ambient Temperature (unless otherwise noted)

|  |                   |          |     |
|--|-------------------|----------|-----|
|  |                   |          |     |
|  | $V_{RM}$<br>$V_R$ | 50       | V   |
|  | $I_o$             | 200      | mA  |
|  | $I_{FSM}$         | 2.0      | A   |
|  | $P_D$             | 225      | mW  |
|  | $R_{JA}$          | 556      | //W |
|  | $T_J$             | 150      | /   |
|  | $T_{STG}$         | -55~+150 | /   |

|  |            |   |    |     |         |
|--|------------|---|----|-----|---------|
|  |            |   |    |     |         |
|  | $V_{(BR)}$ | $I_R=5\mu A$  | 50 |     | V       |
|  | $I_R$      | $V_R=50V$   |    | 0.1 | $\mu A$ |
|  | $V_F$      | $I_F=100mA$   |    | 1   | V       |
|  | $C_D$      | $V_R=0, f=1MHz$   |    | 2   | pF      |
|  | $t_{rr}$   | $I_F=I_R=10mA, R_L=100 \Omega$<br>$I_{rr}=0.1 \times I_R$ |    | 4   | ns      |

