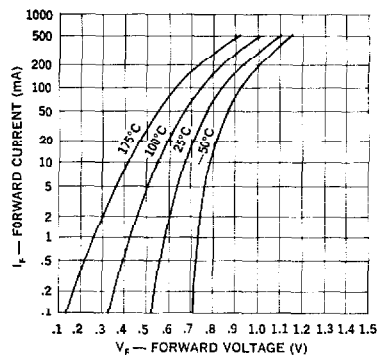


**ELECTRICAL SPECIFICATIONS (at 25°C unless noted)**

| Characteristics | Forward Voltage                    | Forward Voltage                     | Forward Voltage                                | Forward Voltage                                 | Forward Voltage                                 | Reverse Breakdown Voltage                |
|-----------------|------------------------------------|-------------------------------------|------------------------------------------------|-------------------------------------------------|-------------------------------------------------|------------------------------------------|
| Conditions      | $V_{F1}$<br>$I_F = 1 \text{ mAdc}$ | $V_{F2}$<br>$I_F = 10 \text{ mAdc}$ | $V_{F3}$<br>$I_F = 50 \text{ mAdc}$<br>(pulse) | $V_{F4}$<br>$I_F = 100 \text{ mAdc}$<br>(pulse) | $V_{F5}$<br>$I_F = 200 \text{ mAdc}$<br>(pulse) | BV<br>$I_R = 5.0 \text{ } \mu\text{Adc}$ |
| Minimum         | 0.540 Vdc                          | 0.660 Vdc                           | 0.760 Vdc                                      | 0.820 Vdc                                       | 0.870 Vdc                                       | 7.5 Vdc                                  |
| Maximum         | 0.620 Vdc                          | 0.740 Vdc                           | 0.860 Vdc                                      | 0.920 Vdc                                       | 1.00 Vdc                                        | —                                        |

| Characteristics | Reverse Current                 | Reverse Current                                              | Junction Capacitance                                           | Reverse Recovery Time                                                     | Reverse Recovery Time                                                      | Forward Recovery Time                                                                          |
|-----------------|---------------------------------|--------------------------------------------------------------|----------------------------------------------------------------|---------------------------------------------------------------------------|----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| Conditions      | $I_R$<br>$V_R = 50 \text{ Vdc}$ | $I_R$<br>$V_R = 50 \text{ Vdc}$<br>$T_A = 150^\circ\text{C}$ | C<br>$V_R = 0$<br>F = 1 MHz<br>$V_{sig} = 50 \text{ mv (p-p)}$ | $t_{rr1}$<br>$I_F = I_R =$<br>10 to 200 mAdc;<br>$R_L = 100 \text{ ohms}$ | $t_{rr2}$<br>$I_F = I_R =$<br>200 to 400 mAdc;<br>$R_L = 100 \text{ ohms}$ | $t_{fr}$<br>$I_F = 200 \text{ mAdc};$<br>$t_p = 100 \text{ nsec};$<br>$t_r = 0.4 \text{ nsec}$ |
| Maximum         | 0.1 $\mu\text{Adc}$             | 100 $\mu\text{Adc}$                                          | 2.5 pf                                                         | 4 nsec                                                                    | 6 nsec                                                                     | 10 nsec                                                                                        |

Typical Forward Current vs Voltage



Reverse Voltage vs. Reverse Current

