



ULTRA-LOW LEAKAGE ABRUPT VARACTOR DIODES
V907 - V900
V907E - V900E

| PART NUMBER | CAPACITANCE @ 4 Vdc 1 MHz (pF) | TYP. CAPACITANCE RATIO C•0.5V / C•MWV | MAX WORKING VOLTAGE (Vdc) | MIN BREAKDOWN VOLTAGE Ir = 100µA (Vdc) |
|--------------------|---|--|----------------------------------|---|
| V907 | 7 | 4.1 | 25 | 28 |
| V910 | 10 | 4.1 | 25 | 28 |
| V912 | 12 | 4.2 | 25 | 28 |
| V915 | 15 | 4.2 | 25 | 28 |
| V920 | 20 | 3.9 | 20 | 22 |
| V927 | 27 | 4.0 | 20 | 22 |
| V933 | 33 | 4.1 | 20 | 22 |
| V939 | 39 | 4.1 | 20 | 22 |
| V947 | 47 | 3.9 | 20 | 22 |
| V956 | 56 | 3.5 | 15 | 17 |
| V968 | 68 | 3.5 | 15 | 17 |
| V982 | 82 | 3.5 | 15 | 17 |
| V900 | 100 | 3.5 | 15 | 17 |
| V907E | 7 | 6.9 | 100 | 110 |
| V910E | 10 | 6.9 | 100 | 110 |
| V912E | 12 | 7.5 | 100 | 110 |
| V915E | 15 | 7.5 | 100 | 110 |
| V920E | 20 | 7.9 | 90 | 99 |
| V927E | 27 | 7.4 | 65 | 72 |
| V933E | 33 | 6.5 | 60 | 66 |
| V939E | 39 | 6.3 | 55 | 61 |
| V947E | 47 | 6.1 | 50 | 55 |
| V956E | 56 | 5.7 | 40 | 44 |
| V968E | 68 | 4.6 | 30 | 33 |
| V982E | 82 | 4.0 | 20 | 22 |
| V900E | 100 | 4.0 | 20 | 22 |

| | | |
|-------------------------------------|------------------------|------------------------|
| Package Style | | DO-7 |
| Forward Voltage Drop | @ 100 mA | 1.0 Vdc |
| DC Power Dissipation | @ Ta = 25° C | 400 mW |
| Max Reverse Current | @ MWV | 5 nA |
| Operating Temperature (Topr) | | -65 to + 150° C |
| Storage Temperature (Tstg) | | -65 to + 200° C |
| Capacitance Tolerance: | Standard Device | ±20% |