

**SHARP BREAKDOWN, LOW LEAKAGE
LVA REGULATOR DIODES
LVA43A - LVA100A**

- Sharper breakdown
- Lower leakage current characteristics in the 4 – 10 volt range

| PART NUMBER | NOMINAL VOLTAGE Vz @ Iz (Vdc) | TEST CURRENT Izt (mA) | MAX ZENER IMPEDANCE Zzt @ Iz (OHMS) | MAX REVERSE LEAKAGE CURRENT Ir (μ Adc) | Vr (Vdc) | MAX NOISE DENSITY @ 250 μ A |
|-------------|-------------------------------------|-----------------------------|---|---|-------------|---------------------------------------|
| LVA43A | 4.3 | 20 | 18 | 4.0 | 1.5 | 4 |
| LVA47A | 4.7 | 10 | 15 | 4.0 | 2.0 | 4 |
| LVA51A | 5.1 | 5 | 15 | 0.1 | 2.0 | 4 |
| LVA56A | 5.6 | 1 | 40 | 0.05 | 3.0 | 4 |
| LVA62A | 6.2 | 1 | 50 | 0.05 | 4.0 | 4 |
| LVA68A | 6.8 | 1 | 50 | 0.05 | 5.0 | 4 |
| LVA75A | 7.5 | 1 | 100 | 0.01 | 6.0 | 4 |
| LVA82A | 8.2 | 1 | 100 | 0.01 | 6.5 | 4 |
| LVA91A | 9.1 | 1 | 100 | 0.01 | 8.0 | 4 |
| LVA100A | 10.0 | 1 | 100 | 0.01 | 9.0 | 4 |

| | | |
|------------------------------|----------------------|--------------------------|
| Package Style | | DO-7 |
| Forward Voltage (Vf) | @ If= 200 mAdc | 1.5 Vdc |
| Noise Density (Nd) | @ Iz = 250 μ Adc | 4.0 μ V / \sqrt Hz |
| Power Dissipation (Pd) | @ Ta = 25° C | 400 mW |
| Operating Temperature (Topr) | | -65 to + 175° C |
| Storage Temperature (Tstg) | | -65 to + 200° C |
| Voltage Tolerance: | Standard Device | \pm 10% |
| | Suffix A | \pm 5% |
| | Suffix B | \pm 2% |

Noise Density measured from 1000 to 3000 Hz.