

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

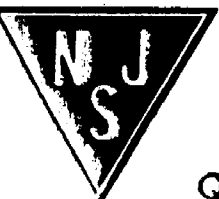
- Sharper breakdown
- Lower leakage current characteristics in the 4 – 10 volt range

PART NUMBER	NOMINAL VOLTAGE	TEST CURRENT	MAX ZENER IMPEDANCE	MAX REVERSE LEAKAGE CURRENT		MAX NOISE DENSITY
	V <sub>z</sub> @ I <sub>zt</sub> (Vdc)	I <sub>zt</sub> (mA)	Z <sub>zt</sub> @ I <sub>zt</sub> (OHMS)	I <sub>r</sub> (µAdc)	V <sub>r</sub> (Vdc)	@ 250 µA
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 (V <sub>f</sub> )	@ I <sub>f</sub> = 200 mAdc	1.5 Vdc
Noise Density (Nd)	@ I <sub>z</sub> = 250 µAdc	4.0 µV / √Hz
Power Dissipation (Pd)	@ T <sub>a</sub> = 25° C	400 mW
Operating Temperature (T <sub>opr</sub> )		-65 to + 175° C
Storage Temperature (T <sub>stg</sub> )		-65 to + 200° C
Voltage Tolerance:	Standard Device	±10%
	Suffix A	±5%
	Suffix B	±2%

Noise Density measured from 1000 to 3000 Hz.



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