SHARP BREAKDOWN, LOW LEAKAGE
LVA REGULATOR DIODES
LVA450A - LVA498A

- **Sharper breakdown voltage**
- **Lower leakage current characteristics in the 5 – 9 volt range**

PART NUMBER	NOMINAL VOLTAGE @ 250 µA	MAX ZENER IMPEDANCE @ 250 µAdc	MAX REVERSE LEAKAGE Ir @ Vr (µAdc)	(Vdc)	MAX REGULATION FACTOR ΔVz (Vdc)	Izh (mAdc)	I_{ZL} (µAdc)	TYPICAL TC @ 250µAdc MV/ °C	MAX NOISE DENSITY @ 250 µA
LVA450A	5.0	700	10.0	4.00	0.40	1.0	100	0.75	1
LVA453A	5.3	250	5.0	4.24	0.20	1.0	100	1.33	1
LVA456A	5.6	100	1.0	4.48	0.10	1.0	50	1.96	1
LVA459A	5.9	100	0.5	4.72	0.10	1.0	10	2.30	1
LVA462A	6.2	100	0.1	4.96	0.10	1.0	10	2.67	1
LVA465A	6.5	100	0.05	5.20	0.10	1.0	10	3.06	1
LVA468A	6.8	100	0.01	5.44	0.10	1.0	10	3.40	1
LVA471A	7.1	175	0.01	5.68	0.10	1.0	10	3.76	1
LVA474A	7.4	175	0.01	5.92	0.10	1.0	10	4.07	1
LVA477A	7.7	175	0.01	6.16	0.10	1.0	10	4.47	1
LVA480A	8.0	175	0.01	6.40	0.10	1.0	10	4.80	1
LVA483A	8.3	175	0.01	6.64	0.10	1.0	10	5.15	1
LVA486A	8.6	175	0.01	6.88	0.10	1.0	10	5.50	1
LVA489A	8.9	175	0.01	7.12	0.10	1.0	10	5.87	2
LVA492A	9.2	175	0.01	7.36	0.10	1.0	10	6.16	2
LVA495A	9.5	175	0.01	7.60	0.10	1.0	10	6.46	2
LVA498A	9.8	175	0.01	7.84	0.10	1.0	10	6.86	2

Package Style		**DO-7**
Forward Voltage (Vf)	**@ If = 200 mAdc**	**1.5 Vdc**
Noise Density (Nd)	**@ Iz = 250 µAdc**	**1.0 µV / √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**	**±0.20 Vdc**

Impedance measured with 10% 60 Hz AC superimposed on Izt.
Noise Density on devices LVA489 to LVA498 increases to 2.0 max.
Noise Density measured from 1000 to 3000 Hz.

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