Glass Axial Leaded

Sharp Breakdown, Low Leakage LVA Regulator, 5–9 Volt Range

Model	Voltage	Zener Impedance[1]	Reverse Leakage		Regulation Factor			T_C	Noise Density
	TYP	TYP	µAdc MAX	Vdc MAX	DVz Vdc MAX	Izh mAdc MAX	IzL µAdc MAX	TYP	MAX
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
Test Conditions	@ 250 µA	@ 250 µAdc	I_R @ V_R					@ 250 µAdc MV/°C	@ 250 µA

Maximum Rating	Parameters	Value	Rating
	Package style	CS85 (DO-7)	
	Forward Voltage	@ If=200 mAdc	1.5Vdc
	Noise Density	@ Iz=250 µAdc[2]	1.0 µV / √Hz
	Power Dissipation	@ Ta=25° C	400 mW
	Operating Temperature	-65° C to + 175° C	
	Storage Temperature	-65° C to + 200° C	
	Voltage Tolerance:	Standard Device	+0.20 Vdc

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