

1N4678 -
 1N4714
 1N4614 -
 1N4627
 1N4099 -

Low Level Zener Diodes

ULTRA-LOW CURRENT: 50 μ A – Low Leakage

Type Number	Nom Zener Voltage		Max Zener Impedance Zzt @ 250 μ A (ohms)	Max Reverse Leakage Current		Max Regulation Factor 100 μ Adc to 10 μ Adc Δ Vz (Volts)	Max Noise Density at Iz = 250 μ A μ V / \sqrt Hz	Max Regulator Current Izm (mAdc)
	Vz @ 50 μ A (volts)	Vz @ 250 μ A (volts)		Ir @ Vr (μ Adc)	Vr (Vdc)			
1N4678	1.8			7.5	1.0	0.70		120.0
1N4679	2.0			5.0	1.0	0.70		110.0
1N4680	2.2			4.0	1.0	0.75		100.0
1N4681	2.4			2.0	1.0	0.80		95.0
1N4682	2.7			1.0	1.0	0.85		90.0
1N4683	3.0			0.8	1.0	0.90		85.0
1N4684	3.3			7.5	1.5	0.95		80.0
1N4685	3.6			7.5	2.0	0.95		75.0
1N4686	3.9			5.0	2.0	0.97		70.0
1N4687	4.3			4.0	2.0	0.99		65.0
1N4688	4.7			10.0	3.0	0.99		60.0
1N4689	5.1			10.0	3.0	0.97		55.0
1N4690	5.6			10.0	4.0	0.96		50.0
1N4691	6.2			10.0	5.0	0.95		45.0
1N4692	6.8			10.0	5.1	0.90		35.0
1N4693	7.5			10.0	5.7	0.75		31.8
1N4694	8.2			1.0	6.2	0.50		29.0
1N4695	8.7			1.0	6.6	0.10		27.6
1N4696	9.1			1.0	6.9	0.08		26.2
1N4697	10.0			1.0	7.6	0.10		24.8
1N4698	11.0			0.05	8.4	0.11		21.6
1N4699	12.0			0.05	9.1	0.12		20.4
1N4700	13.0			0.05	9.8	0.13		19.0
1N4701	14.0			0.05	10.6	0.14		17.5
1N4702	15.0			0.05	11.4	0.15		16.3
1N4703	16.0			0.05	12.1	0.16		15.4
1N4704	17.0			0.05	12.9	0.17		14.5
1N4705	18.0			0.05	13.6	0.18		13.2
1N4706	19.0			0.05	14.4	0.19		12.5
1N4707	20.0			0.01	15.2	0.20		11.9
1N4708	22.0			0.01	16.7	0.22		10.8
1N4709	24.0			0.01	18.2	0.24		9.9
1N4710	25.0			0.01	19.0	0.25		9.5
1N4711	27.0			0.01	20.4	0.27		8.8
1N4712	28.0			0.01	21.2	0.28		8.5
1N4713	30.0			0.01	22.8	0.30		7.9
1N4714	33.0			0.01	25.0	0.33		7.2

LOW CURRENT: 250 μ A – Low Noise

Δ 1N4614	1.8	1200	7.5	1.0		1	120.0
Δ 1N4615	2.0	1250	5.0	1.0		1	110.0
Δ 1N4616	2.2	1300	4.0	1.0		1	100.0
Δ 1N4617	2.4	1400	2.0	1.0		1	95.0
Δ 1N4618	2.7	1500	1.0	1.0		1	90.0
Δ 1N4619	3.0	1600	0.8	1.0		1	85.0
Δ 1N4620	3.3	1650	7.5	1.5		1	80.0
Δ 1N4621	3.6	1700	7.5	2.0		1	75.0
Δ 1N4622	3.9	1650	5.0	2.0		1	70.0
Δ 1N4623	4.3	1600	4.0	2.0		1	65.0
Δ 1N4624	4.7	1550	10.0	3.0		1	60.0
Δ 1N4625	5.1	1500	10.0	3.0		2	55.0
Δ 1N4626	5.6	1400	10.0	4.0		4	50.0
Δ 1N4627	6.2	1200	10.0	5.0		5	45.0
Δ 1N4099	6.8	200	10.0	5.2		40	35.0
Δ 1N4100	7.5	200	10.0	5.7		40	31.8
Δ 1N4101	8.2	200	1.0	6.3		40	29.0
Δ 1N4102	8.7	200	1.0	6.7		40	27.4
Δ 1N4103	9.1	200	1.0	7.0		40	26.2
Δ 1N4104	10.0	200	1.0	7.6		40	24.8
Δ 1N4105	11.0	200	0.05	8.5		40	21.6
Δ 1N4106	12.0	200	0.05	9.2		40	20.4
Δ 1N4107	13.0	200	0.05	9.9		40	19.0
Δ 1N4108	14.0	200	0.05	10.7		40	17.5
Δ 1N4109	15.0	200	0.05	11.4		40	16.3
Δ 1N4110	16.0	100	0.05	12.2		40	15.4
Δ 1N4111	17.0	100	0.05	13.0		40	14.5
Δ 1N4112	18.0	100	0.05	13.7		40	13.2
Δ 1N4113	19.0	150	0.05	14.5		40	12.5
Δ 1N4114	20.0	150	0.01	15.2		40	11.9
Δ 1N4115	22.0	150	0.01	16.8		40	10.8
Δ 1N4116	24.0	150	0.01	18.3		40	9.9
Δ 1N4117	25.0	150	0.01	19.0		40	9.5
Δ 1N4118	27.0	150	0.01	20.5		40	8.8
Δ 1N4119	28.0	200	0.01	21.3		40	8.5
Δ 1N4120	30.0	200	0.01	22.8		40	7.9
\square 1N4121	33.0	200	0.01	25.1		40	7.2

NOTES:

All types \pm 5% tolerance.

Δ Denotes military approval.

\square Denotes military approval in process.