



TYPE	MATERIAL	REPLACEMENT	REF.	IDENTIFICATION	RECTIFIERS					ZENER DIODES			
					V_R (volts)	V_F (volts)	I_O (Amps)	I_R (mA)	I_{surge} (Amps)	V_Z (min)	V_Z (nom) *	Tol V_Z %	P_D
					SIGNAL DIODES					REFERENCE DIODES			
					PRV (volts)	V_F @ I_F (volts)		I_R	t_{rr} (μs)	TC %/°C	V_Z	T (min) °C	T (max) °C
1N4606	S			DS	70	1.0	0.2A	0.25*	6.0				
1N4607	S			DS	70	0.95	250M	0.25*	10				
1N4608	S			DS	70	0.96	350M	0.25*	10				
1N4609	S	Varactor Diode, see Table on Page 92											
1N4610	S			DS	55	1.1	0.3A	0.1*	2.0				
1N4611	S	1N4576A *	1N4549	DR						0.005	6.6	-50	100
1N4611A	S	1N4577A *	1N4549	DR						0.002	6.6	-50	100
1N4611B	S	1N4578A *	1N4549	DR						0.001	6.6	-50	100
1N4611C	S	1N4579A *	1N4549	DR						0.0005	6.6	-50	100
1N4612	S	1N4581A *	1N4549	DR						0.005	6.6	-50	100
1N4612A	S	1N4582A *	1N4549	DR						0.002	6.6	-50	100
1N4612B	S	1N4583A *	1N4549	DR						0.001	6.6	-50	100
1N4612C	S	1N4584A *	1N4549	DR						0.0005	6.6	-50	100
1N4613	S	1N4581A *	1N4549	DR						0.005	6.6	-50	100
1N4613A	S	1N4582A *	1N4549	DR						0.002	6.6	-50	100
1N4613B	S	1N4583A *	1N4549	DR						0.001	6.6	-50	100
1N4613C	S	1N4584A *	1N4549	DR						0.0005	6.6	-50	100
1N4614	S	MZ4614	1N4099	DZ							1.8*		0.25W
1N4615	S	MZ4615	1N4099	DZ							2.0*		0.25W
1N4616	S	MZ4616	1N4099	DZ							2.2*		0.25W
1N4617	S	MZ4617	1N4099	DZ							2.4*		0.25W
1N4618	S	MZ4618	1N4099	DZ							2.7*		0.25W
1N4619	S	MZ4619	1N4099	DZ							3.0*		0.25W
1N4620	S	MZ4620	1N4099	DZ							3.3*		0.25W
1N4621	S	MZ4621	1N4099	DZ							3.6*		0.25W
1N4622	S	MZ4622	1N4099	DZ							3.9*		0.25W
1N4623	S	MZ4623	1N4099	DZ							4.3*		0.25W
1N4624	S	MZ4624	1N4099	DZ							4.7*		0.25W
1N4625	S	MZ4625	1N4099	DZ							5.1*		0.25W
1N4626	S	MZ4626	1N4099	DZ							5.6*		0.25W
1N4627	S	MZ4627	1N4099	DZ							6.2*		0.25W
1N4628	S	1N4736A	1N4728	DZ							6.8*		0.6W
1N4629	S	1N4737A	1N4728	DZ							7.5*		0.6W
1N4630	S	1N4738A	1N4728	DZ							8.2*		0.6W
1N4631	S	1N4739A	1N4728	DZ							9.1*		0.6W
1N4632	S	1N4740A	1N4728	DZ							10*		0.6W
1N4633	S	1N4741A	1N4728	DZ							11*		0.6W
1N4634	S	1N4742A	1N4728	DZ							12*		0.6W
1N4635	S	1N4743A	1N4728	DZ							13*		0.6W
1N4636	S	1N4744A	1N4728	DZ							15*		0.6W
1N4637	S	1N4745A	1N4728	DZ							16*		0.6W
1N4638	S	1N4746A	1N4728	DZ							18*		0.6W
1N4639	S	1N4747A	1N4728	DZ							20*		0.6W
1N4640	S	1N4748A	1N4728	DZ							22*		0.6W
1N4641	S	1N4749A	1N4728	DZ							24*		0.6W
1N4642	S	1N4750A	1N4728	DZ							27*		0.6W
1N4643	S	1N4751A	1N4728	DZ							30*		0.6W
1N4644	S	1N4752A	1N4728	DZ							33*		0.6W
1N4645	S	1N4753A	1N4728	DZ							36*		0.6W
1N4646	S	1N4754A	1N4728	DZ							39*		0.6W
1N4647	S	1N4755A	1N4728	DZ							43*		0.6W
1N4648	S	1N4756A	1N4728	DZ							47*		0.6W
1N4649	S	1N4728A	1N4728	DZ							3.3*		1.0W
1N4650	S	1N4729A	1N4728	DZ							3.6*		1.0W
1N4651	S	1N4730A	1N4728	DZ							3.9*		1.0W
1N4652	S	1N4731A	1N4728	DZ							4.3*		1.0W
1N4653	S	1N4732A	1N4728	DZ							4.7*		1.0W
1N4654	S	1N4733A	1N4728	DZ							5.1*		1.0W
1N4655	S	1N4734A	1N4728	DZ							5.6*		1.0W
1N4656	S	1N4735A	1N4728	DZ							6.2*		1.0W
1N4657	S	1N4736A	1N4728	DZ							6.8*		1.0W
1N4658	S	1N4737A	1N4728	DZ							7.5*		1.0W
1N4659	S	1N4738A	1N4728	DZ							8.2*		1.0W
1N4660	S	1N4739A	1N4728	DZ							9.1*		1.0W
1N4661	S	1N4740A	1N4728	DZ							10*		1.0W
1N4662	S	1N4741A	1N4728	DZ							11*		1.0W
1N4663	S	1N4742A	1N4728	DZ							12*		1.0W
1N4664	S	1N4743A	1N4728	DZ							13*		1.0W
1N4665	S	1N4744A	1N4728	DZ							15*		1.0W
1N4666	S	1N4745A	1N4728	DZ							16*		1.0W
1N4667	S	1N4746A	1N4728	DZ							18*		1.0W
1N4668	S	1N4747A	1N4728	DZ							20*		1.0W
1N4669	S	1N4748A	1N4728	DZ							22*		1.0W
1N4670	S	1N4749A	1N4728	DZ							24*		1.0W
1N4671	S	1N4750A	1N4728	DZ							27*		1.0W
1N4672	S	1N4751A	1N4728	DZ							30*		1.0W
1N4673	S	1N4752A	1N4728	DZ							33*		1.0W
1N4674	S	1N4753A	1N4728	DZ							36*		1.0W
1N4675	S	1N4754A	1N4728	DZ							39*		1.0W
1N4676	S	1N4755A	1N4728	DZ							43*		1.0W
1N4677	S	1N4756A	1N4728	DZ							47*		1.0W

Replacement * denotes exact device type replacement available on request.



NUMERICAL INDEX

1N--- TYPE NUMBERS — COMPLETE INDEX and SHORT-FORM DEVICE SPECIFICATIONS

The following table lists, in numerical sequence, all EIA-registered devices with 1N--- type numbers. This also provides major electrical specifications for rectifier diodes, signal diodes, zener diodes, and reference diodes. The "key" to proper interpretation of these specifications is given below.

Other types of devices with 1N--- numbers, including varactor diodes, tunnel diodes, and 4-layer diodes, are identified in the table but, due to the differences in major specifications, they are "specified" separately in succeeding tables.

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KEY

					RECTIFIERS	ZENER DIODES
					V_R = DC Blocking Voltage V_F = Average Forward Voltage Drop I_O = Average Rectifier Forward Current I_R = Average Reverse Current I_{surge} = Peak Surge Current	V_Z (min) = Minimum Zener Breakdown Voltage (Volts) V_Z (max) = Maximum Zener Breakdown Voltage (used only when a corresponding V_Z (min) is specified. Otherwise, this column refers to V_Z (nom)* Nominal Zener Breakdown Voltage.) Tol = Tolerance, for specified Nominal Breakdown Voltage P_D = Maximum Power Dissipation. M = milliwatts. W = watts
TYPE	MATERIAL	REPLACE- MENT	REF.	IDENTIFICATION	RECTIFIERS	ZENER DIODES
					V_R (volts) V_F (volts) I_O (Amps) I_R (mA) I_{surge} (Amps)	V_Z (min) V_Z (nom)* V_Z (max) Tol V_Z % P_D
					SIGNAL DIODES	REFERENCE DIODES
					PRV (volts) $V_F @ I_F$ (volts) I_R t_{rr} (μ S)	TC %/ $^{\circ}$ C V_Z T (min) $^{\circ}$ C T (max) $^{\circ}$ C
Numerical Listing of Registered Type Numbers S = Silicon G = Germanium SE = Selenium Type number of recommended replacement or of nearest electrical equivalent fully characterized in this book. Reference device number indicates specific Data Sheet on which device is characterized.					SHADING INDICATES SIGNAL DIODES PRV = Peak Reverse Voltage $V_F @ I_F$ = Maximum Forward Voltage at Indicated Forward Current — M = milliamps, A = amps I_R = Reverse Current — M = milliamps, * = microamps, N = nanoamps t_{rr} = Reverse Recovery Time	SHADING INDICATES REFERENCE DIODES TC = Temperature Coefficient V_Z = Zener Breakdown Voltage T (min) } Temperature Range T (max) } over which indicated temperature coefficient is applicable.
					The codes listed below define the listed device and indicates the appropriate specification column heading. R* — Rectifiers DR — Diode, Reference DZ — Diode, Zener DS — Diode, Signal	