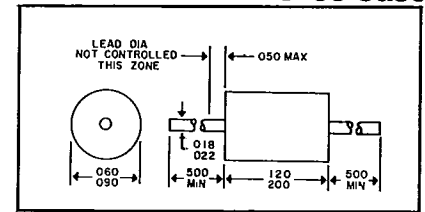


PLANAR DIODES

DO-35 Case

Type	Peak Inverse Voltage	Minimum Forward Current	Maximum Reverse Current			Maximum Capacitance	Maximum Reverse Recovery Time @ 10 mA	Dissipation
			@ 25°C		@ 150°C			
			$I_r$	$I_r$	$V_r$			
PIV	$I_F @ V_F$	$I_r$	$I_r$	$V_r$	C @ 0V	$t_{rr} @ I_F$	P	
V	mA	V	$\mu A$	$\mu A$	V	pf	ns	mW
1N456	30	40 @ 1	.025	5	25	—	—	250
1N456A	30	100 @ 1	.025	5	25	—	—	250
1N457	70	20 @ 1	.025	5	60	—	—	250
1N457A	70	100 @ 1	.025	5	60	—	—	250
1N458	150	7 @ 1	.025	5	125	—	—	250
1N458A	150	100 @ 1	.025	5	125	—	—	250
1N458B	80	100 @ 1	.025	5	60	—	—	250
1N619	30	3 @ 1	.080	16 @ 100°C	10	—	—	—
1N890	60	20 @ 1	.025	—	—	10 Typ	—	250
1N914	100	10 @ 1	.025	50	20	4 Typ	4	—
1N3062	75	20 @ 1	.100	100	50	1	2	—
1N3064	75	10 @ 1	.100	100	50	2	4	250
1N3147	60	100 @ 1	—	20 @ 100°C	30	—	—	600
1N3600	50	200 @ 1	.100	100	50	2.5	4 @ 2 mA	—
1N3602	50	20 @ 1	.100	100	50	3	5	—
1N3605	40	0.1 @ 0.55	.050	50	50	2	4	—
1N4009	25	30 @ 1	.100	100	25	4	2	—
1N4148	75	10 @ 1	.025	50	20	4	4	500
1N4149	75	10 @ 1	.025	50	20	2	—	500
1N4150	50	200 @ 1	.100	100	50	2.5	6 @ 2 mA	400

DO-35 Case



American Power Devices offers a broad line of silicon planar switching diodes featuring nanosecond switching, with high forward conduction, low leakage current and low capacitance. Switching speeds are as low as 2ns with peak inverse voltages up to 150V. They are available in DO-35 cases.

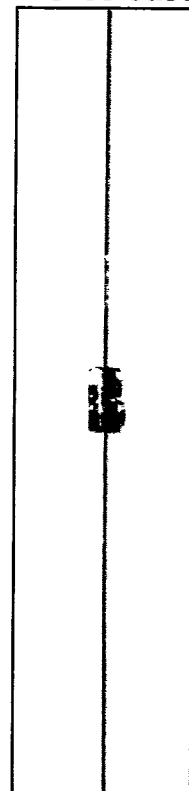
All silicon planar diodes are manufactured in double plug packages making the devices rugged and highly reliable.

Applications for these switching diodes are in data processing equipment in such areas as logic circuits, memory core driving, pulse circuitry, and other high speed switching applications.

DO-35 Case

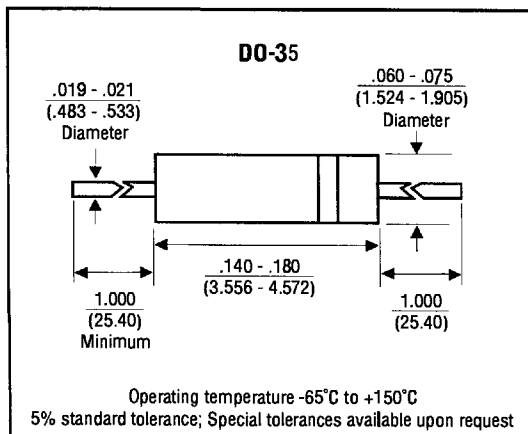
Type	Peak Inverse Voltage	Minimum Forward Current	Maximum Reverse Current			Maximum Capacitance	Maximum Reverse Recovery Time @ 10 mA	Dissipation
			@ 25°C		@ 150°C			
			$I_r$	$I_r$	$V_r$			
PIV	$I_F @ V_F$	$I_r$	$I_r$	$V_r$	C @ 0V	$t_{rr} @ I_F$	P	
V	mA	V	$\mu A$	$\mu A$	pf	ns	mW	
1N4151	75	50 @ 1	.050	50	50	2	—	400
1N4152	40	20 @ .88	.050	50	30	2	4	400
1N4153	75	20 @ .88	.050	50	50	2	4	400
1N4154	35	30 @ 1	.100	100	25	4	4	400
1N4305	75	10 @ .85	.100	100	50	2	4	400
1N4446	100	20 @ 1	.025	50	20	4	4	250
1N4447	100	20 @ 1	.025	50	20	2	4	250
1N4448	75	100 @ 1	.025	50	20	4	4	250
1N4449	75	30 @ 1	.025	50	20	2	4	250
1N4450	30	1 @ .64	.050	50	30	4	4	—
1N4451	50	50 @ 1	.050	50	50	2	2	—
1N4452	30	1 @ .62	.050	50	30	3	5	—
1N4454	75	10 @ 1	.100	100	50	2	4	500
1N4531	100	10 @ 1	.025	50	20	4	4	—
1N4534	50	10 @ .81	.050	50	50	2	2	—
1N4606	85	250 @ 1.1	.100	25 @ 100°C	50	2.5	6	500
1N4607	85	400 @ 1.1	.100	25 @ 100°C	50	4	10	—
1N4608	85	500 @ 1.1	.100	25 @ 100°C	50	4	10	—
1N4727	30	10 @ .85	.100	10 @ 100°C	20	4	4	—
1N4861	40	100 @ 1.2	.002	4	30	3.5	1000	—
1N4862	70	100 @ 1.1	.005	10	50	3.3	1000	—
1N5194	80	100 @ 1	.025	5	70	—	—	250
1N5208	70	20 @ 1	.025	5	60	—	—	200
1N5209	150	7 @ 1	.025	5	125	—	—	200
1N5282	80	100 @ .9	—	—	—	2.5	4	—
AP5317	80	300 @ 1.1	.10	100	55	2.5	4	—
1N5426	25	40 @ 1	1.00	—	6	1.1	—	200
1N5605	70	20 @ 1	.025	5	60	—	—	250
APD3595	150	100 @ 1	.001	0.5 @ 125°C	125	8	—	500

DO-35 Case



# SWITCHING DIODES

200mW							
Part #	Peak Voltage	Continous Reverse Current	Forward Voltage	Capacitance C Maximum	Reverse Recovery Time		
	V <sub>ZM</sub> (V)	I <sub>R</sub> (mA) @ V <sub>R</sub> (V)	V <sub>F</sub> (V) @ I <sub>F</sub> (mA)	(pF)	t <sub>rr</sub> (ns)		
1N914	100	5000 @ 75	1.0 @ 10	4.0	4.00		
1N914A	100	5000 @ 75	1.0 @ 20	4.0	4.00		
1N914B	100	5000 @ 75	1.0 @ 100	4.0	4.00		
500mW							
1N4148	100	5000 @ 75	1.0 @ 10	4.0	4.00		
1N4151	75	50 @ 50	1.0 @ 50	2.0	2.00		
1N4154	35	100 @ 25	1.0 @ 30	4.0	2.00		
1N4448	100	5000 @ 75	1.0 @ 100	4.0	4.00		
1N4454	75	100 @ 50	1.0 @ 10	2.0	4.00		
200mW							
Part #	Peak Voltage	Minimum Forward Current	Maximum Reverse Current			Maximum Capacitance	Maximum Reverse Recovery Time @ 10mA
	V <sub>ZM</sub> (V)	I <sub>F</sub> (mA) @ V <sub>F</sub> (V)	@ 25°C @ 150°C			C @ 0V (pF)	t <sub>rr</sub> @ I <sub>F</sub> (ns)
1N5208	70	20 @ 1	.025	5	60	—	—
1N5209	150	7 @ 1	.025	5	125	—	—
1N5282	80	100 @ .9	—	—	—	2.5	4
AP5317	80	300 @ 1.1	.10	100	55	2.5	4
1N5426	25	40 @ 1	1.00	—	6	1.1	—
250mW							
1N456	30	40 @ 1	.025	5	25	—	—
1N456A	30	100 @ 1	.025	5	25	—	—
1N457	70	20 @ 1	.025	5	60	—	—
1N457A	70	100 @ 1	.025	5	60	—	—
1N458	150	7 @ 1	.025	5	125	—	—
1N458A	150	100 @ 1	.025	5	125	—	—
1N458B	80	100 @ 1	.025	5	60	—	—
1N619	30	3 @ 1	.080	16 @ 100°C		—	—
1N890	60	20 @ 1	.025	—	—	10 Typ	—
1N3062	75	20 @ 1	.100	100	50	1	2
1N3064	75	10 @ 1	.100	100	50	2	4
1N4446	100	20 @ 1	.025	50	20	4	4
1N4447	100	20 @ 1	.025	50	20	2	4
1N4449	75	30 @ 1	.025	50	20	2	4
1N4450	30	1 @ .64	.050	50	30	4	4
1N4451	50	50 @ 1	.050	50	50	2	2
1N4452	30	1 @ .62	.050	50	30	3	5
1N5194	80	100 @ 1	.025	5	70	—	—
1N5605	70	20 @ 1	.025	5	60	—	—
400mW							
1N4150	50	200 @ 1	.100	100	50	2.5	6 @ 2mA
1N4152	40	20 @ .88	.050	50	30	2	4
1N4153	75	20 @ .88	.050	50	50	2	4
1N4305	75	10 @ .85	.100	100	50	2	4



**CALL US AT 617-592-6090  
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