

# High Voltage Rectifiers

Type Number	Maximum Peak Reverse Voltage	Maximum Average Rectified Current @ Half-Wave Resistive Load 60Hz		Maximum Forward Peak Surge Current @ 8.3ms Superimposed	Maximum Reverse Current @ PRV @ 25°C T <sub>A</sub>	Maximum Forward Voltage @ 25°C T <sub>A</sub>		Maximum Reverse Recovery Time
	PRV	I <sub>O</sub> @ T <sub>A</sub>		I <sub>FM</sub> (Surge)	I <sub>R</sub>	I <sub>FM</sub>	V <sub>FM</sub>	T <sub>rr</sub>
	V <sub>PK</sub>	mA	°C	A <sub>PK</sub>	μA <sub>dc</sub>	A <sub>PK</sub>	V <sub>PK</sub>	ns

## Standard and Fast Recovery/DO-41

R1500	1500	500	50	30	5.0	0.5	1.6	-
R2000	2000	500	50	30	5.0	0.5	2.6	-
R3000	3000	200	50	30	5.0	0.2	2.6	-
R1500F	1500	500	50	30	5.0	0.5	2.0	500
R2000F	2000	500	50	30	5.0	0.5	3.0	500
R3000F	3000	200	50	30	5.0	0.2	6.0	500

OPERATING/STORAGE TEMPERATURE -65°C to +150°C

# General Purpose Diodes

## 400mW — DO-35 Outline

Type Number	Peak Reverse Voltage	Maximum Average Output Current	Maximum Power Dissipation @ 25°C	Maximum Forward Voltage Drop		Maximum Reverse Current @ 25°C		Maximum Reverse Recovery Time
	V <sub>RM</sub>	I <sub>AVG</sub>	P <sub>d</sub>	V <sub>F</sub> @ I <sub>F</sub>		I <sub>R</sub> @ V <sub>R</sub>		T <sub>rr</sub>
	Volts	mA	mW	Volts	mA	nA	Volts	ns
BAV18	60	200	400	1.0	100	100	50	50*
BAV19	120	200	400	1.0	100	100	100	50*
BAV20	200	200	400	1.0	100	100	150	50*
BAV21	250	200	400	1.0	100	100	200	50*

\* Test Conditions: I<sub>F</sub> = I<sub>R</sub> = 30mA, R<sub>L</sub> = 100Ω, I<sub>rr</sub> = 1.0mA

OPERATING/STORAGE TEMPERATURE -65°C to +175°C

# High Speed Switching Diodes

## 250mW/500mW — DO-35 Outline

Type Number	Peak Reverse Voltage	Reverse Current max		Forward Voltage Max		Capacitance	Reverse Recovery Time	Power Dissipation
	V <sub>RM</sub>	I <sub>R</sub> @ V <sub>R</sub>		V <sub>F</sub> @ I <sub>F</sub>		C max	T <sub>rr</sub> max	P <sub>d</sub>
	Volts	nA	V	V	mA	pF	ns	mW
1N914	100	5000	75	1.0	10	4.0	4.0	250
1N914A	100	5000	75	1.0	20	4.0	4.0	250
1N914B	100	5000	75	1.0	100	4.0	4.0	250
1N4148	100	5000	75	1.0	10	4.0	4.0	500
1N4151	75	50	50	1.0	50	2.0	2.0	500
1N4154	35	100	25	1.0	30	4.0	2.0	500
1N4448	100	5000	75	1.0	100	4.0	4.0	500
1N4454	75	100	50	1.0	10	2.0	4.0	500

OPERATING/STORAGE TEMPERATURE -65°C to +200°C