

# HIGH VOLTAGE RECTIFIERS

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

TYPE	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

## HIGH VOLTAGE/DO-41/DO-15

R1200	1200	500	50	30	5.0	0.5	1.6	—
R1500	1500	500	50	30	5.0	0.5	1.6	—
R1800	1800	500	50	30	5.0	0.5	1.6	—
R2000	2000	500	50	30	5.0	0.5	2.6	—
*R2500	2500	200	50	30	5.0	0.2	2.6	—
*R3000	3000	200	50	30	5.0	0.2	2.6	—

NOTE: 1. \*DO-15 Package Only.  
2. PRV > 3000V is Available for Special Order.

## HIGH VOLTAGE FAST RECOVERY/DO-41/DO-15

R1200F	1200	500	50	30	5.0	0.5	2.0	500
R1500F	1500	500	50	30	5.0	0.5	2.0	500
R1800F	1800	500	50	30	5.0	0.5	2.0	500
R2000F	2000	500	50	30	5.0	0.5	3.0	500
*R2500F	2500	200	50	30	5.0	0.2	3.0	500
*R3000F	3000	200	50	30	5.0	0.2	3.0	500

NOTE: 1. \*DO-15 Package Only.  
2. PRV > 3000V is Available for Special Order.

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TYPE	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>		Outline
	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>	
	V <sub>PK</sub>	mA <sub>AV</sub>	°C	A <sub>PK</sub>	μA <sub>dc</sub>	mA <sub>PK</sub>	V <sub>PK</sub>	

## HIGH VOLTAGE RECTIFIERS

D1815C	1500	750	50	50	5.0	750	2.0	DI-6
D1820C	2000	600	50	50	5.0	600	4.0	DI-6
D1830C	3000	600	50	50	5.0	600	4.0	DI-6
D1840C	4000	400	50	50	5.0	400	6.0	DI-7
D1850C	5000	400	50	50	5.0	400	6.0	DI-7
D1860C	6000	400	50	50	5.0	400	8.0	DI-8
D1870C	7000	300	50	50	5.0	300	10	DI-8
D1880C	8000	300	50	50	5.0	300	10	DI-8
D1890C	9000	300	50	50	5.0	300	12	DI-9
D18100C	10000	300	50	50	5.0	300	12	DI-9
D18150C	15000	200	50	50	5.0	200	16	DI-10