



Part Number	Repetitive Peak Reverse Voltage $V_{RRM}$ V	Avg. Forward Current Max $I_{FAVM@55°C}$ A	Avg. Forward Voltage Drop $V_F@I_{FAVM}$ V	Max. Reverse Current $I_R@V_{RRM@25°C}$ $\mu A$	Max. Surge Current $I_{FSM}$ (8.3ms) A	Typical Junction Capacitance <sup>1</sup> pF	Max. Reverse Recovery Time $T_{RR}$ <sup>2</sup> nS	Body Length L Inches	Body Diameter D Inches
<b>BR Series - High Voltage Medium and High Current Diodes</b> <span style="float: right;">Figure 124</span>									
BR2	2000	1.00	2.4	5.0	40	-	-	0.354	0.197
BR4	4000	0.85	4.4	5.0	20	-	-	0.354	0.197
BR2F	2000	0.9	3.8	5.0	40	35	100	0.354	0.197
BR4F	4000	0.6	7.0	5.0	20	36	100	0.354	0.197
BR5F	5000	0.6	8.8	5.0	20	20	100	0.354	0.197
BR6F	6000	0.5	10.5	5.0	20	19	100	0.354	0.197
BR10F	10000	0.25	14.0	5.0	20	10	100	0.354	0.197
BRU10SF	10000	0.25	17.0	5.0	20	7	75	0.354	0.197
<b>HVW HVRW Series - High Voltage High Current Diodes</b> <span style="float: right;">Figure 124</span>									
HVW3	3000	2.0	3.0	5.0	300	-	-	0.36	0.36
HVRW1	1000	2.5	2.0	10.0	200	105.0	150	0.38	0.32
HVRW2	2000	1.5	4.0	10.0	200	52.0	150	0.38	0.32
HVRW3	3000	1.5	5.0	10.0	200	35.0	150	0.38	0.32
HVRW4	4000	1.0	6.0	10.0	200	27.0	150	0.38	0.32
<b>CL03 Series - High Voltage Medium Current Fast Recovery Diodes</b> <span style="float: right;">Figure 124</span>									
CL03-8	8000	0.40	20.0	2.0	20	6.2	100	0.87	0.3
CL03-10	10000	0.30	25.0	2.0	20	5.3	100	0.87	0.3
CL03-12	12000	0.25	30.0	2.0	20	4.4	100	0.87	0.3
CL03-15	15000	0.20	35.0	2.0	20	3.5	100	0.87	0.3
CL03-20	20000	0.12	38.0	2.0	20	2.8	100	0.87	0.3
<b>2CL100 Series - High Voltage Medium Current Standard Recovery Diodes</b> <span style="float: right;">Figure 124</span>									
2CL105	9000	0.45	10.0	2.0	30	-	-	0.84	0.3
2CL106	12000	0.45	12.0	2.0	30	-	-	0.84	0.3
<b>HV550 Series - High Voltage Medium Current Standard Recovery Diodes</b> <span style="float: right;">Figure 124</span>									
HV550S08	8000	0.55	8.0	5.0	30	-	-	0.87	0.3
HV550S10	10000	0.45	9.0	5.0	30	-	-	0.87	0.3
HV550S12	12000	0.40	12.0	30.0	30	-	-	0.87	0.3
HV550S15	15000	0.35	14.0	30.0	30	-	-	0.87	0.3
HV550S20	20000	0.25	17.0	30.0	30	-	-	0.87	0.3
HV550S25	25000	0.20	21.0	30.0	30	-	-	0.87	0.3
HV550S30	30000	0.20	25.0	30.0	30	-	-	0.87	0.3

Notes:

<sup>1</sup> Diode Junction Capacitance is measured at 1 MHz,  $V_R=0$  and  $T_A=25°C$

<sup>2</sup> A “-” indicates the component is a standard recovery device and no  $T_{RR}$  data is taken. See page 23 for info.

DTI suggests that a proper heatsink is used on the leads of this device to prevent damage from heating and to achieve maximum current capability. All devices listed are RoHS compliant.