

**SURFACE MOUNT RECTIFIERS**

T-03-13

OPERATING/STORAGE TEMPERATURE RANGE -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 _A	Maximum Forward Voltage @ 25° C T _A	
	PRV	I _o @ T _A		I _{FM} (Surge)	I _R	I _{FM}	V _{FM}
	V _{PK}	A _{AV}	°C	A _{PK}	mAdc	A _{PK}	V _{PK}

400 mW SCHOTTKY/MINI MELF DL-35

DL101A	60	Power Dissipation = 400 mW at 25°C Terminal Temperature Measured At Device Body. Derate 4mw/°C Above 25°C	2**	200nA @ V _R = 50V	15mA	1.0
DL101B	50		2**	200nA @ V _R = 40V	15mA	0.95
DL101C	40		2**	200nA @ V _R = 30V	15mA	0.90
DL103A	40		15	5μA @ V _R = 30V	200mA	0.60
DL103B	30		15	5μA @ V _R = 20V	200mA	0.60
DL103C	20		15	5μA @ V _R = 10V	200mA	0.60
DL5711	70		2**	200nA @ V _R = 50V	15mA	1.0
DL6263	60		2**	200nA @ V _R = 60V	15mA	1.0

**10 μSEC Square Wave

1.0 AMPERE SCHOTTKY/MELF DL-41

DL5817	20	1.0	90	30	1.0	1.0	0.45
DL5818	30	1.0	90	30	1.0	1.0	0.55
DL5819	40	1.0	90	30	1.0	1.0	0.60
DL102	20	1.0	75	30	1.0	1.0	0.50
DL103	30	1.0	75	30	1.0	1.0	0.50
DL104	40	1.0	100	30	1.0	1.0	0.50
DL105	50	1.0	100	30	1.0	1.0	0.70
DL106	60	1.0	100	30	1.0	1.0	0.70

OPERATING/STORAGE TEMPERATURE RANGE -65°C to +175°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 _A	Maximum Forward Voltage @ 25° C T _A		Maximum Reverse Recovery Time
	PRV	I _o @ T _A		I _{FM} (Surge)	I _R	I _{FM}	V _{FM}	T _{rr}
	V _{PK}	A _{AV}	°C	A _{PK}	μAdc	A _{PK}	V _{PK}	nS

1.0 AMPERE FAST RECOVERY GLASS PASSIVATED/DL-41

DL4933	50	1.0	75	30	5.0	1.0	1.2	*200
DL4934	100	1.0	75	30	5.0	1.0	1.2	*200
DL4935	200	1.0	75	30	5.0	1.0	1.2	*200
DL4936	400	1.0	75	30	5.0	1.0	1.2	*200
DL4937	600	1.0	75	30	5.0	1.0	1.2	*200

NOTE: "*" T_{rr} Test Condition: I_F = 1.0A, V_R = 30V..**1.0 AMPERE GLASS PASSIVATED/DL-41**

DL4001	50	1.0	75	30	5.0	1.0	1.1	—
DL4002	100	1.0	75	30	5.0	1.0	1.1	—
DL4003	200	1.0	75	30	5.0	1.0	1.1	—
DL4004	400	1.0	75	30	5.0	1.0	1.1	—
DL4005	600	1.0	75	30	5.0	1.0	1.1	—
DL4006	800	1.0	75	30	5.0	1.0	1.1	—
DL4007	1000	1.0	75	30	5.0	1.0	1.1	—