

Surface Mount Schottky Diodes

Type Number	Maximum Peak Reverse Voltage	Maximum Average Rectified Current @ Half-Wave Resistive Load 60Hz		Maximum Forward Peak Surge Current	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}

400mW Schottky/SOD123

SD101AW	60	Power Dissipation See Note 1	2	200nA @ V _R = 50V	15mA	1.00
SD101BW	50		2	200nA @ V _R = 40V	15mA	0.95
SD101CW	40		2	200nA @ V _R = 30V	15mA	0.90
SD103AW	40		15	5μA @ V _R = 30V	200mA	0.60
SD103BW	30		15	5μA @ V _R = 20V	200mA	0.60
SD103CW	20		15	5μA @ V _R = 10V	200mA	0.60

Note 1: Power Dissipation = 400mW @ 25°C Terminal Temperature Measured at Device Body. Derate 4mW/°C Above 25°C

1.0 Ampere Schottky/MELF Plastic or Glass Package

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
IN5817M*	20	1.0	75	30	1.0	1.0	0.475
IN5818M*	30	1.0	75	30	1.0	1.0	0.55
IN5819M*	40	1.0	100	30	1.0	1.0	0.60
DL105	50	1.0	100	30	1.0	1.0	0.70
DL106	60	1.0	100	30	1.0	1.0	0.70

* Glass Package

1.0 Ampere Schottky/SMA

B120	20	1.0	100*	40	0.5	1.0	0.50
B130	30	1.0	100*	40	0.5	1.0	0.50
B140	40	1.0	100*	40	0.5	1.0	0.50
B150	50	1.0	100*	40	0.5	1.0	0.70
B160	60	1.0	100*	40	0.5	1.0	0.70

* T_L, Lead Temperature

1.0 Ampere Schottky/SMB

SK12	20	1.0	75	25	0.5	1.0	0.55
SK13	30	1.0	75	25	0.5	1.0	0.55
SK14	40	1.0	75	25	0.5	1.0	0.55
SK15	50	1.0	75	25	0.5	1.0	0.70
SK16	60	1.0	75	25	0.5	1.0	0.70

3.0 Ampere Schottky/SMC

SK32	20	3.0	105*	100	0.5	3.0	0.50
SK33	30	3.0	105*	100	0.5	3.0	0.50
SK34	40	3.0	105*	100	0.5	3.0	0.50
SK35	50	3.0	115*	100	0.5	3.0	0.75
SK36	60	3.0	115*	100	0.5	3.0	0.75

* T_L, Lead Temperature

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