

# SCHOTTKY DIODES

## Small Signal Schottky Diodes

Type	Peak Inverse Voltage (MIN.) (PIV) Volts	Maximum Forward Voltage Drop		Maximum Reverse Leakage Current		Typical Capacitance @ 0V (C <sub>0</sub> ) Pf	Typical Reverse Recovery (NOTE 1) (t <sub>rr</sub> ) nS	Die Geometry Fig #
		(V <sub>F</sub> ) @ 1mA Volts	(V <sub>F</sub> ) @ 15mA Volts	(I <sub>R</sub> ) μA	@ V <sub>R</sub> Volts			
CY5711 ■	70	0.41	1.0	0.2	50	2.0	1.0	TBA
CY6263 ■	60	0.41	1.0	0.2	50	2.2	1.0	TBA
CY101A ■	60	0.41	1.0	0.2	50	2.0	1.0	TBA
CY101B ■	50	0.40	0.95	0.2	40	2.1	1.0	TBA
CY101C ■	40	0.39	0.90	0.2	30	2.2	1.0	TBA

Note 1: I<sub>F</sub> = I<sub>R</sub> = 5mA, t<sub>rr</sub> @ 0.1 I<sub>R</sub>.

## General Purpose High Current Schottky Diodes

Type	Peak Inverse Voltage (MIN.) (PIV) Volts	Maximum Average Rectified Current (I <sub>O</sub> ) Amps	Maximum Forward Voltage Drop		Maximum Reverse Leakage Current		Maximum Forward Surge Current (I <sub>FSM</sub> ) Amps	Typical Reverse Recovery (NOTE 1) (t <sub>rr</sub> ) nS	Die Geometry Fig. #
			(V <sub>F</sub> ) @ 20mA Volts	(V <sub>F</sub> ) @ 200mA Volts	(I <sub>R</sub> ) μA	@ V <sub>R</sub> Volts			
CY103A ■	40	0.40	.37	0.6	5	30	8	10	TBA
CY103B ■	30	0.40	.37	0.6	5	20	8	10	TBA
CY103C ■	20	0.40	.37	0.6	5	10	8	10	TBA

Note 1: I<sub>F</sub> = I<sub>R</sub> = 50mA - 200mA, t<sub>rr</sub> @ 0.1 I<sub>R</sub>.

■ Under Development, Please Consult Factory

# SCHOTTKY RECTIFIERS

## CY5818 Series • 1 Amp Schottky Rectifiers

Type	Peak Inverse Voltage (MIN.) (PIV) Volts	Maximum Average Rectified Current (I <sub>O</sub> ) Amp	Maximum Forward Voltage Drop			Maximum Reverse Leakage Current (I <sub>R</sub> ) @ PIV mA	Maximum Forward Surge Current (I <sub>FSM</sub> ) Amp	Die Geometry Fig. #
			(V <sub>F</sub> ) @ 100mA Volts	(V <sub>F</sub> ) @ 1.0A Volts	(V <sub>F</sub> ) @ 3.0A Volts			
CY5818 ■	30	1.0	0.33	0.55	0.875	1.0	80	TBA
CY5819 ■	40	1.0	0.35	0.60	0.900	1.0	80	TBA

## CY120 Series • 1 Amp Schottky Rectifiers

Type	Peak Inverse Voltage (MIN.) (PIV) Volts	Maximum Average Rectified Current (I <sub>O</sub> ) Amp	Maximum Forward Voltage Drop (V <sub>F</sub> ) @ 1.0A Volts	Maximum Reverse Leakage Current (I <sub>R</sub> ) @ PIV μA	Maximum Forward Surge Current (I <sub>FSM</sub> ) Amp	Die Geometry Fig. #
CY130 ■	30	1.0	0.69	100	20	TBA
CY140 ■	40	1.0	0.69	100	20	TBA

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