

Diodes and Rectifiers (General Purpose)



ECG Type	Description		Peak Reverse Voltage PRV Max V	Average Rectified Forward Current I _o Max	Forward Current Repetitive Peak I _{FRM} Max	Reverse Recovery Time t _{rr}	Forward Voltage Drop Max V _F	AFC	Fast Sw	Gen Purp	Fast Recovery	Fig. No.
ECG109	Gen Purp	Ge	100	200 mA	—	—	—			●		Z2
ECG110A	Gen Purp	Ge	40	50 mA	150 mA	—	—			●		Z2
ECG110MP	Matched Diode Pair	Ge	30	15 mA at 60°C	—	—	—	●		●		Z2
ECG112	UHF Mixer (Schottky)	Si	5	25 mA	—	—	.5 at 60 mA					Z4
ECG113A	Common Cathode Dual Diode, Center Tap TV Horiz	Si	100	1.5 A	—	—	0.95 V at 1 A	●		●		Z15
ECG114	Series Dual Diodes, TV Horiz	Se	20	min 1.1 mA	—	—	—	●		●		Z12
ECG115	Common Anode, Dual Diode, TV Horiz AFC	Se	20	min 1.1 mA	—	—	—	●		●		Z12
ECG116	Gen Purp Rect	Si	600	1 A	—	—	0.8 V at 1 A			●		Z3
ECG120	Color TV Convrg Rect	Se	18	65 mA	—	—	—			●		Z17
ECG125	Gen Purp Rect	Si	1000	2.5 A at 25°C Lead Temp	—	—	1.1 V at 1 A			●		Z3
ECG156	Gen Purp Rect	Si	1000	3 A	—	—	1.1 V at 1.5 A			●		Z6
ECG177	Fast Sw, Det, etc.	Si	200	160 mA	250 mA	50 ns	1.0 V at 100 mA		●			Z4
ECG178MP	Matched Diode Pair, AFC, AFT, etc	Si	50	75 mA	100 mA	—	1.0 V at 5 mA	●				Z5
ECG506	Sw, Fast Recovery, Bst Damp, Blanking	Si	1400	2 A	3.5 A	500 ns	1.0 V at 1 A		●		●	Z6
ECG507	Gen Purp Rect, Gating, Centering	Si	50	250 mA	—	3 μs	1.0 V at 1 A			●		Z6
ECG515	Sw, Fast Recovery, SCR Defl Cla	Si	800	3 A	9 A	1.3 μs	1.3 V at 4 A		●		●	Z8
ECG519	Fast Sw Diode	Si	100 (BRV)	200 mA	450 mA	4 ns	1.0 V at 10 mA		●			Z4
ECG525	Sw, Fast Recovery, Damp	Si	2000	1 A	—	500 ns (Fwd Rec)	2 V at 2 A		●		●	Z6A
ECG552	Gen Purp Rect, Fast Recovery	Si	600	1 A	—	200 ns	1.5 V at 250 mA		●	●	●	Z3
ECG558	Gen Purp Rect, Fast Recovery, HV	Si	1500	1 A	—	250 ns	1.2 V at 1 A		●	●	●	Z3
ECG569	Fast Sw, Soft Recovery	Si	600	3 A	100 A	200 ns	1.1 V at 3 A		●	●	●	Z6A
ECG571	Fast Sw, Soft Recovery	Si	1000	3 A	—	100 ns	1.5 V at 3 A		●	●	●	Z1B
ECG572	Gen Purp, Fast Recovery	Si	1000	6 A	300 A	500 ns	1.3 V at 6 A		●	●	●	Z71
ECG573	Schottky, Barrier Rectifier	Si	60	5 A	150 A	—	0.7 V at 5 A		●		●	Z6A
ECG574	Sw, Ultra Fast Rec.	Si	400	1 A	30 A	35 ns	1.3 V at 1 A		●	●	●	Z3
ECG575	Sw, Ultra Fast Rec.	Si	1000	1 A	30 A	70 ns	1.7 V at 1 A		●	●	●	Z3
ECG576	Sw, Ultra Fast Rec.	Si	400	5 A	150 A	35 ns	1.25 V at 5 A		●	●	●	Z6A
ECG577	Sw, Fast Recovery, HV	Si	1000	5 A	200 A	70 ns	1.7 V at 5 A		●	●	●	Z6A
ECG578	Schottky, Barrier Rect	Si	90	1 A	50 A	—	.8 V at 1 A		●			Z3
ECG579	Schottky, Barrier Rect	Si	90	3 A	150 A	—	.8 V at 3 A		●			Z6A
ECG580	Gen Purp Rect, Fast Recovery	Si	600	3 A	Single Surge 100 A	250 ns	1.3 V at 3 A		●	●	●	Z1A
ECG581	Gen Purp Rect, Fast Recovery	Si	400	8 A	Single Surge 150 A	200 ns	1.2 V at 3 A		●	●	●	Z41A
ECG582	TV Damper	Si	6000	300 mA	Single Surge 100 A	300 ns	8.0 V at 100 mA				●	Z17A
ECG583	Detector, Mixer, (Schottky) Hot Carrier Modulator	Si	70	15 mA	—	1 ps	.41 V at 1 mA	●	●	●	●	Z4

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ECG584	Detector, Mixer, (Schottky) Hot Carrier Modulator	Si	20	35 mA	—	1 ps	.41 V at 1 mA	●	●	●	●	Z4
ECG585	Schottky Barrier Rect	Si	40	1 A	25 A	—	.6 V at 1 A		●		●	Z3
ECG586	Schottky Barrier Rect	Si	40	3 A	80 A	—	.525 V at 3 A		●		●	Z6A
ECG587	Sw, Ultra Fast Recovery	Si	200	1 A	30 A	35 ns	.95 V at 3 A		●	●	●	Z3
ECG588	Sw, Ultra Fast Recovery	Si	200	3 A	125 A	35 ns	.95 V at 3 A		●	●	●	Z6A
ECG589	Gen Purp, Fast Recovery	Si	400	6 A	300 A	150 ns	1.3 V at 6 A		●	●	●	Z71
ECG590	Common Cathode Dual Diode, Hi Speed Sw	Si	75	200 mA, 100 mA /Leg	300 mA	4 ns	1.2 V at 100 mA		●			Z67
ECG591	Common Cathode Dual Diode, Hi Speed Sw	Si	75	200 mA, 100 mA /Leg	300 mA	4 ns	1.2 V at 100 mA		●			Z67

Diodes (Surface Mount)

ECG Type	Description		Peak Reverse Voltage PRV Max V	Average Rectified Forward Current I_O Max	Forward Current Repetitive Peak I_{FRM} Max	Reverse Recovery Time t_{rr}	Forward Voltage Drop Max V_F	AFC	Fast Sw	Gen Purp	Fast Recovery	Fig. No.
ECG592	Gen Purp, Sw	Si	200	200 mA	625 mA	50 ns	1 V at 200 mA		●	●		Z69
ECG593	Hi Speed Sw, Det	Si	75	250 mA	250 mA	6 ns	1 V at 250 mA		●		●	Z69
ECG594	Band Sw, $r_D = .7 \Omega$ at 200 MHz	Si	35	100 mA	—	—	1.2 V at 100 mA					Z69
ECG595	Common Cathode Dual Diode, Hi Speed Sw, Gen Purp	Si	70	500 mA, 250 mA /Leg	250 mA	6 ns	1 V at 250 mA	●	●	●	●	Z69
ECG596	Common Anode Dual Diode, Hi Speed Sw, Gen Purp	Si	70	500 mA, 250 mA /Leg	250 mA	6 ns	1 V at 250 mA	●	●	●	●	Z69

Controlled Avalanche Diode

ECG Type	V_{RM} V Max	I_{ZSM} A Max	V_Z $I_Z = 1$ mA V Max	I_R μA Max	Fig. 26B
ECG570	130	1 (Pulse)	135 - 150	10	<p>Color Band Denotes Cathode</p>