

DIODES AND RECTIFIERS GENERAL PURPOSE

T-39-01

NTE Type No.	Material	Description and Application	Case Style	Diag. No.	Maximum Peak Reverse Voltage (Volts)	Maximum Average Forward Current (Amps)	Max Peak Surge Forward Current (Amps)	Maximum Forward Voltage Drop (Volts)	Reverse Recovery Time (ns)
					P_{rv}	I_F	I_{FSM}	V_F	t_{rr}
109	Ge	Gen Purp, Fast Switch	DO7	91	100	0.2	0.5	1	—
110MP	Ge	Gen Purp, AFC, Matched Diode Pair	DO7	91	30	100 μ A	—	—	—
112	Si	TV UHF Mixer	DO7	91	5	0.025	—	0.5 @ 15mA	—
113A	Si	Dual Diode for TV Horiz Appl, Common Cathode Positive Center Tap	—	104	100	1.5	50	0.95 @ 1A	—
115	Se	Common Anode Dual Diode for TV Application	—	101b	20	0.15mA	—	—	—
116	Si	General Purpose Rectifier	DO41	92	600	1	30	1.1 @ 1A Typ	—
117	Si	General Purpose Metal Case Rectifier	DO26	99	600	1	—	1.2 @ 0.5A	—
120	Se	General Purpose, Color TV Convrg Rectifier	—	100a	18	0.065	—	—	—
125	Si	General Purpose Rectifier	DO41	92	1000	2.5	30	0.8 @ 1A Typ	—
156	Si	General Purpose Rectifier	DO15	105	1000	3	—	1.1 @ 3A	—
156A	Si	General Purpose Rectifier	DO27A	98	1000	3.5	125	1.1 @ 3.5A	—
173BP	Si	Damper Diode for TV Appl Bridged Pair	—	190	5000	0.6	8	4.4 @ 0.5A	4 μ s
174	Ge	Damper Diode for TV Appl	TO66	173	270	6	25	0.6 @ 5A	—
177	Si	Fast Sw, Det, etc.	DO35	93	200	0.16	0.25	1 @ 0.1	50
178MP	Si	Matched Diode Pair AFC, AFT, etc.	DO7	91	50	0.07	0.1	1 @ 5mA	—
506	Si	Sw, Fast Recovery, Bst, Damper, Blanking	—	535	1400	2	35	1 @ 1A	500
507	Si	Fast Recovery	DO41	92	50	1	30	1.1 @ 1A	200
515	Si	Fast Recovery Horizontal Deflection Rectifier	—	392	800	2.5	70	1.3 @ 4A	1.3 μ s
519	Si	Fast Sw Diode	DO35	93	75	0.2	—	1 @ 0.1A	4
525	Si	High Vltg Fast Recovery Sw	DO41	92	2000	1	150	2 @ 1A	3 μ s
551	Si	Fast Recovery Rect Metal Case	—	185	1500	1	60	1.5 @ 2A	1 μ s
552	Si	Gen Purp Rect, Fast Rec, Fast Sw	DO41	92	600	1	30	1.1 @ 1A	200
558	Si	High Voltage Fast Recovery Rectifier	DO41	92	1500	1	30	1.2	250
576	Si	Gen Purp, Sw, Super Fast Rec	DO27	541	400	5	150	1.25 @ 5A	35
577	Si	Gen Purp, Sw, Fast Recovery	DO27	541	1000	5	200	1.7 @ 5A	70
578	Si	Schottky Barrier	DO41	92	90	1	25	0.6 @ 1A	—
579	Si	Schottky Barrier	DO27	541	90	3	80	0.74 @ 3A	—
580	Si	Fast Rec, Gen Purp Rectifier	—	381	600	3	100	1.1 @ 3A	200
581	Si	Fast Rec, Gen Purp Rectifier	TO220	380	400	8	150	1.2 @ 3A	150
583	Si	Schottky Switching for High Level UHF/VHF Detection and Pulse Application	DO35	93	70	0.015	0.05	0.41 @ 1mA	—