

STEP RECOVERY DIODES (SRD'S)

TYPE (1) NUMBER	BREAKDOWN VOLTAGE V_B (MIN) (2) @ 10 μ A Volts	JUNCTION (3) CAPACITANCE C_J -6 PF	MINORITY (4) CARRIER LIFETIME T_I (MIN) ns	TRANSITION (5) TIME - T_t (MAX) ps
AS11A	10	0.26-0.42	5	100
AS11B	10	0.42-0.58	5	100
AS11C	10	0.58-1.60	5	100
AS11D	10	1.60-3.00	5	100
AS12A	10	0.26-0.42	5	200
AS12B	10	0.42-0.58	5	200
AS12C	10	0.58-1.60	5	200
AS12D	10	1.60-3.00	5	200
AS21A	20	0.26-0.42	7	100
AS21B	20	0.42-0.58	7	100
AS21C	20	0.58-1.60	7	100
AS21D	20	1.60-3.00	7	100
AS22A	20	0.26-0.42	7	200
AS22B	20	0.42-0.58	7	200
AS22C	20	0.58-1.60	7	200
AS22D	20	1.60-3.00	7	200
AS31A	30	0.26-0.42	8	100
AS31B	30	0.42-0.58	8	100
AS31C	30	0.58-1.60	8	100
AS31D	30	1.60-3.00	8	100
AS32A	30	0.26-0.42	8	200
AS32B	30	0.42-0.58	8	200
AS32C	30	0.58-1.60	8	200
AS32D	30	1.60-3.00	8	200
AS41A	40	0.26-0.42	12	120
AS41B	40	0.42-0.58	12	120
AS41C	40	0.58-1.60	12	120
AS41D	40	1.60-3.00	12	120
AS42A	40	0.26-0.42	12	200
AS42B	40	0.42-0.58	12	200
AS42C	40	0.58-1.60	12	200
AS42D	40	1.60-3.00	12	200
AS43A	40	0.26-0.42	12	300
AS43B	40	0.42-0.58	12	300
AS43C	40	0.58-1.60	12	300
AS43D	40	1.60-3.00	12	300
AS52A	50	0.26-0.42	15	200
AS52B	50	0.42-0.58	15	200
AS52C	50	0.58-1.60	15	200
AS52D	50	1.60-3.00	15	200
AS53A	50	0.26-0.42	15	300
AS53B	50	0.42-0.58	15	300
AS53C	50	0.58-1.60	15	300
AS53D	50	1.60-3.00	15	300
AS63A	60	0.26-0.42	20	300
AS63B	60	0.42-0.58	20	300
AS63C	60	0.58-1.60	20	300
AS63D	60	1.60-3.00	20	300

NOTES:

1. When ordering add package style suffix to denote desired package style. Package style 10, 42, 51 and 52 are available for this series

2. Breakdown Voltage measured at $I_R=10\mu A$.

3. Junction Capacitance measured at -6 volts and 1 MHz.

4. Minority Carrier Lifetime measured at $I_R=6mA$ and $I_F=1.7I_R$.

5. Transition Time is measured between the 20% and 80% points in the voltage recovery waveform. Test condition +10mA and -10 Volts.