

KNOX SEMICONDUCTOR, INC.

ULTRA-LOW LEAKAGE ABRUPT VARACTOR DIODES V907 - V900 V907E - V900E

TYPE NUMBER	CAPACITANCE @ -4 Vdc 1 MHz (pF)	TYP. CAPACITANCE RATIO C•0.5V / C•MWV	MAX WORKING VOLTAGE (Vdc)	MIN BREAKDOWN VOLTAGE Ir = 100µA (Vdc)
V907	7	4.1	25	28
V910	10	4.1	25	28
V912	12	4.2	25	28
V915	15	4.2	25	28
V920	20	3.9	20	22
V927	27	4.0	20	22
V933	33	4.1	20	22
V939	39	4.1	20	22
V947	47	3.9	20	22
V956	56	3.5	15	17
V968	68	3.5	15	17
V982	82	3.5	15	17
V900	100	3.5	15	17
V907E	7	6.9	100	110
V910E	10	6.9	100	110
V912E	12	7.5	100	110
V915E	15	7.5	100	110
V920E	20	7.9	90	99
V927E	27	7.4	65	72
V933E	33	6.5	60	66
V939E	39	6.3	55	61
V947E	47	6.1	50	55
V956E	56	5.7	40	44
V968E	68	4.6	30	33
V982E	82	4.0	20	22
V900E	100	4.0	20	22

MAXIMUM RATINGS

Package Style		DO-7
Forward Voltage Drop	@ 100 mA	1.0 Vdc
DC Power Dissipation	@ Ta = 25° C	400 mW
Max Reverse Current	@ MWV	5 nA
Operating Temperature (Topr)		-65 to +150° C
Storage Temperature (Tstg)		-65 to +200° C
Capacitance Tolerance:	Standard Device	±20%
	Suffix A	±10%
	Suffix B	±5%
	Suffix C	±2%
	Suffix D	±1%