Electrical Characteristics @ 25°C (Unless Otherwise Noted) TABLE1

Part Number	Zener Voltage V_Z @ I_{ZT}	Test Current	Maximum Dynamic Impedance Z_{ZT} @ I_{ZT}	Maximum Knee Impedance Z_{Zk} @ I_{Zk}	Knee Current	Maximum Reverse Current I_R @ V_R		Maximum Regulator Current T_L= 100°C	Maximum Surge Current
	V_Z (V)	I_{ZT} (mA)	Z_{ZT} (OHMS)	Z_{ZK} (OHMS)	I_{ZK} (mA)	I_R (μA)	V_R (V)	I_{ZM} (mA)	Izsm (mA)
SMAJ4728A	3.3	76.0	10.0	400	1.00	100	1.0	552	1380
SMAJ4729A	3.6	69.0	10.0	400	1.00	100	1.0	504	1260
SMAJ4730A	3.9	64.0	9.0	400	1.00	50	1.0	468	1190
SMAJ4731A	4.3	58.0	9.0	400	1.00	10	1.0	434	1070
SMAJ4732A	4.7	53.0	8.0	500	1.00	10	1.0	386	970
SMAJ4733A	5.1	49.0	7.0	550	1.00	10	1.0	356	890
SMAJ4734A	5.6	45.0	5.0	600	1.00	10	2.0	324	810
SMAJ4735A	6.2	41.0	2.0	700	1.00	10	3.0	292	730
SMAJ4736A	6.8	37.0	3.5	700	1.00	10	4.0	266	660
SMAJ4737A	7.5	34.0	4.0	700	0.50	10	5.0	242	605
SMAJ4738A	8.2	31.0	4.5	700	0.50	10	6.0	220	550
SMAJ4739A	9.1	28.0	5.0	700	0.50	10	7.0	200	500
SMAJ4740A	10.0	25.0	7.0	700	0.25	10	7.6	182	454
SMAJ4741A	11.0	23.0	8.0	700	0.25	5	8.4	166	414
SMAJ4742A	12.0	21.0	9.0	700	0.25	5	9.1	152	380
SMAJ4743A	13.0	19.0	10.0	700	0.25	5	9.9	138	344
SMAJ4744A	15.0	17.0	14.0	700	0.25	5	11.4	132	304
SMAJ4745A	16.0	15.5	16.0	700	0.25	5	12.2	114	285
SMAJ4746A	18.0	14.0	20.0	750	0.25	5	13.7	100	250
SMAJ4747A	20.0	12.5	22.0	750	0.25	5	15.2	90	225
SMAJ4748A	22.0	11.5	23.0	720	0.25	5	16.7	82	205
SMAJ4749A	24.0	10.5	25.0	750	0.25	5	18.2	76	190
SMAJ4750A	27.0	9.5	35.0	750	0.25	5	20.6	68	170
SMAJ4751A	30.0	8.5	40.0	1000	0.25	5	22.8	60	150

Note:

1. The type numbers shown with an A suffix have a 5% tolerance on nominal zener voltage. No suffix signifies a 10% tolerance, C signifies 2%, and D signifies 1% tolerance.
2. The Zener impedance is derived from the 60 HZ ac voltage ,which results when an ac current having an rms value equal to 10% of the dc Zener current (I_{ZT} or I_{ZK}) is superimposed on I_{ZT} or I_{ZK}. Zener impedance is measured at two points to insure a sharp knee on the breakdown curve and eliminate unstable units.
3. The reverse surge current is measured at 25°C ambient using a 1/2 square wave or equivalent sine wave pulse 1/120 second duration superimposed on I_{ZT}.
4. Voltage at thermal equilibrium or 90seconds after application of dc current.