



# SMF4728A~

ÇVcMGÍ»ÔÁ~}|\^••Á[c@^! , î•^Á•] ^&î-î^âD

Part Number	Nominal Zener Voltage		Maximum Zener Impedance			Maximum DC Zener Current		Maximum DC Zener Current	Maximum Surge Current
	$V_Z @ I_{ZT}$	$I_{ZT}$	$Z_{ZT} @ I_{ZT}$	$Z_{ZK} @ I_{ZK}$	$I_{ZK}$	$I_R @ V_R$		$I_{ZM}$	$I_{RM}$
	(V)	(mA)			(mA)	( $\mu$ A)	(V)	(mA)	(mApk)
SMF4728A	3.3	76	10	400	1	100	1	274	1370
SMF4729A	3.6	69	10	400	1	100	1	251	1255
SMF4730A	3.9	64	9	400	1	50	1	232	1160
SMF4731A	4.3	58	9	400	1	10	1	210	1050
SMF4732A	4.7	53	8	500	1	10	1	192	960
SMF4733A	5.1	49	7	550	1	10	1	177	885
SMF4734A	5.6	45	5	600	1	10	2	161	805
SMF4735A	6.2	41	2	700	1	10	3	146	730
SMF4736A	6.8	37	3.5	700	1	5	4	133	660
SMF4737A	7.5	34	4	700	0.5	5	5	121	605
SMF4738A	8.2	31	4.5	700	0.5	5	6	110	550
SMF4739A	9.1	28	5	700	0.5	0.5	7	100	500
SMF4740A	10	25	7	700	0.25	0.5	7.6	91	454
SMF4741A	11	23	8	700	0.25	0.1	8.4	83	414
SMF4742A	12	21	9	700	0.25	0.1	9.1	76	380
SMF4743A	13	19	10	700	0.25	0.1	9.9	69	344
SMF4744A	15	17	14	700	0.25	0.1	11.4	61	305
SMF4745A	16	15.5	16	700	0.25	0.1	12.2	57	285
SMF4746A	18	14	20	750	0.25	0.1	13.7	50	250
SMF4747A	20	12.5	22	750	0.25	0.1	15.2	45	225
SMF4748A	22	11.5	23	750	0.25	0.1	16.7	41	205
SMF4749A	24	10.5	25	750	0.25	0.1	18.2	38	190
SMF4750A	27	9.5	35	750	0.25	0.1	20.6	34	170
SMF4751A	30	8.5	40	1000	0.25	0.1	22.8	30	150
SMF4752A	33	7.5	45	1000	0.25	0.1	25.1	27	135
SMF4753A	36	7	50	1000	0.25	0.1	27.4	25	125
SMF4754A	39	6.5	60	1000	0.25	0.1	29.7	23	115
SMF4755A	43	6	70	1500	0.25	0.1	32.7	22	110
SMF4756A	47	5.5	85	2000	0.25	0.1	35.8	19	95
SMF4757A	51	5	100	2000	0.25	0.1	38.8	18	90
SMF4758A	56	4.5	120	2000	0.25	0.1	42.6	16	80
SMF4759A	62	4	150	2000	0.25	0.1	47.1	14	70
SMF4760A	68	3.5	175	2000	0.25	0.1	51.7	13	65
SMF4761A	75	3	200	3000	0.25	0.1	56	12	60
SMF4762A	82	2.8	250	3000	0.25	0.1	62.2	11	55
SMF4763A	91	2.5	350	3000	0.25	0.1	69.2	10	50
SMF4764A	100	2.3	450	4000	0.25	0.1	76	9	45
SMF1170A	2.3	450	4000	0.25	0.1	83.6	8.6	40	200
SMF1171A	2	550	4500	0.25	0.1	91.2	7.8	37	185
SMF1172A	1.9	700	5000	0.25	0.1	98.8	7	34	170
SMF1173A	1.7	1000	6000	0.25	0.1	114	6.4	30	150
SMF1174A	1.6	1100	6500	0.25	0.1	121.6	5.8	28	140
SMF1175A	1.4	1200	7000	0.25	0.1	136.8	5.2	25	125
SMF1200A	1.2	1900	9990	0.25	0.1	152	4.7	22	110
SMF1220A	1	1600	8000	0.25	0.1	167.2	4	20	100
SMF1240A	0.9	100	8500	0.25	0.1	182.4	3.8	19	95
SMF1250A	0.9	2000	9000	0.25	0.1	190	3.6	18	90
SMF1270A	0.8	2100	9000	0.25	0.1	205	3.3	16	80
SMF1300A	0.8	2300	9500	0.25	0.1	228	3	15	75
SMF1330A	0.7	2500	9500	0.25	0.1	250.2	2.7	13	65

**Notes :**

- (1) The tolerance on the nominal zener voltage of the SMF4728A~SMF4764A is  $\pm 1\%$  and the tolerance on the nominal zener voltage of the SMF1170A~SMF1330A is  $\pm 2\%$ .
- (2) The surge current is a non-repetitive, 8.3ms pulse width square wave or equivalent superimposed on IZT per JEDEC.

FIG1: Maximum Continuous Power Dissipation

