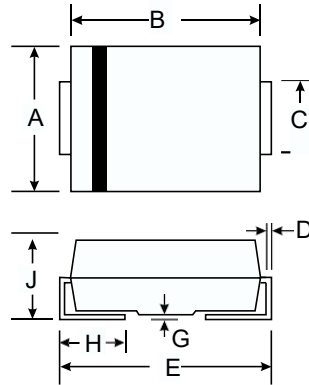


## Features

- Complete voltage range 3.3 to 100 volts
- High peak reverse power dissipation
- High reliability
- Low leakage current
- Standard zener voltage tolerance is  $\pm 5\%$ .

## Mechanical Data

- Case : SMA (DO-214AC) Molded plastic
- Epoxy : UL94V-O rate flame retardant
- Lead : Lead formed for Surface mount
- Polarity : Color band denotes cathode end
- Mounting position : Any
- Weight : 0.064 g/ram



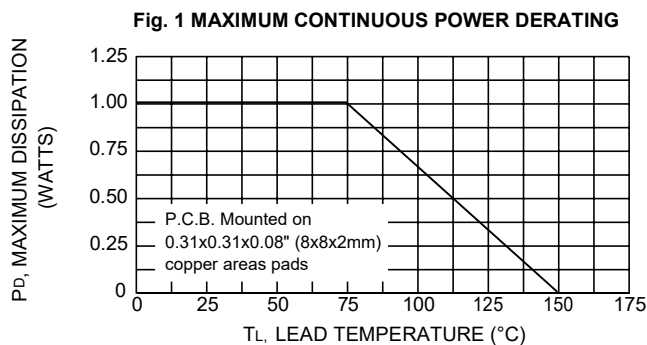
SMA		
Dim	Mi	Max
A	2.29	2.92
B	4.00	4.60
C	1.27	1.63
D	0.15	0.31
E	4.80	5.59
G	0.10	0.20
H	0.76	1.52
J	2.01	2.62
All Dimensions in mm		

## Maximum Ratings @ $T_A = 25^\circ\text{C}$ unless otherwise specified

Rating	Symbol	Value	Unit
DC Power Dissipation at $T_L = 75^\circ\text{C}$ (Note1)	$P_D$	1.0	W
Maximum Forward Voltage at $I_F = 200\text{ mA}$	$V_F$	1.2	V
Junction Temperature Range	$T_J$	- 55 to + 150	$^\circ\text{C}$
Storage Temperature Range	$T_S$	- 55 to + 150	$^\circ\text{C}$

### Note :

- (1) P.C.B. Mounted on 0.31x0.31x0.08" (8x8x2mm) copper areas pads.



**ELECTRICAL CHARACTERISTICS**

Rating at 25 °C ambient temperature unless otherwise specified

Type	Nominal Zener Voltage		Maximum Zener Impedance			Maximum Reverse Leakage Current		Maximum DC Zener Current	Maximum Surge Current
	Vz @ IzT	IzT	ZzT @ IzT	Zzk @ IzK	IzK	IR @ VR		IzM	IRM <sup>(2)</sup>
	(V)	(mA)	(Ω)	(Ω)	(mA)	(μA)	(V)	(mA)	(mApk)
JSM4728A	3.3	76.0	10	400	1.0	100	1.0	276	1380
JSM4729A	3.6	69.0	10	400	1.0	100	1.0	252	1260
JSM4730A	3.9	64.0	9.0	400	1.0	50	1.0	234	1190
JSM4731A	4.3	58.0	9.0	400	1.0	10	1.0	217	1070
JSM4732A	4.7	53.0	8.0	500	1.0	10	1.0	193	970
JSM4733A	5.1	49.0	7.0	550	1.0	10	1.0	178	890
JSM4734A	5.6	45.0	5.0	600	1.0	10	2.0	162	810
JSM4735A	6.2	41.0	2.0	700	1.0	10	3.0	146	730
JSM4736A	6.8	37.0	3.5	700	1.0	50	4.0	133	660
JSM4737A	7.5	34.0	4.0	700	0.5	50	5.0	121	605
JSM4738A	8.2	31.0	4.5	700	0.5	50	6.0	110	550
JSM4739A	9.1	28.0	5.0	700	0.5	50	7.0	100	500
JSM4740A	10	25.0	7.0	700	0.25	50	7.6	91	454
JSM4741A	11	23.0	8.0	700	0.25	50	8.4	83	414
JSM4742A	12	21.0	9.0	700	0.25	5.0	9.1	76	380
JSM4743A	13	19.0	10	700	0.25	5.0	9.9	69	344
JSM4744A	15	17.0	14	700	0.25	5.0	11.4	61	305
JSM4745A	16	15.5	16	700	0.25	5.0	12.2	57	285
JSM4746A	18	14.0	20	750	0.25	5.0	13.7	50	250
JSM4747A	20	12.5	22	750	0.25	5.0	15.2	45	225
JSM4748A	22	11.5	23	750	0.25	5.0	16.7	41	205
JSM4749A	24	10.5	25	750	0.25	5.0	18.2	38	190
JSM4750A	27	9.5	35	750	0.25	5.0	20.6	34	170
JSM4751A	30	8.5	40	1000	0.25	5.0	22.8	30	150
JSM4752A	33	7.5	45	1000	0.25	5.0	25.1	27	135
JSM4753A	36	7.0	50	1000	0.25	5.0	27.4	25	125
JSM4754A	39	6.5	60	1000	0.25	5.0	29.7	23	115
JSM4755A	43	6.0	70	1500	0.25	5.0	32.7	22	110
JSM4756A	47	5.5	80	1500	0.25	5.0	35.8	19	95
JSM4757A	51	5.0	95	1500	0.25	5.0	38.8	18	90
JSM4758A	56	4.5	110	2000	0.25	5.0	42.6	16	80
JSM4759A	62	4.0	125	2000	0.25	5.0	47.1	14	70
JSM4760A	68	3.7	150	2000	0.25	5.0	51.7	13	65
JSM4761A	75	3.3	175	2000	0.25	5.0	56.0	12	60
JSM4762A	82	3.0	200	3000	0.25	5.0	62.2	11	55
JSM4763A	91	2.8	250	3000	0.25	5.0	69.2	10	50
JSM4764A	100	2.5	350	3000	0.25	5.0	76.0	9.0	45

**Notes :**

- (1) The type number listed have a standard tolerance on the nominal zener voltage of  $\pm 5\%$ .
- (2) The reverse surge current is a non-repetitive, 8.3ms pulse width square wave or equivalent sine-wave superimposed on IzT per JEDEC Method

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