



FM4728W - FM4764W

SURFACE MOUNT SILICON ZENER DIODES

VOLTAGE RANGE: 3.3 - 100V

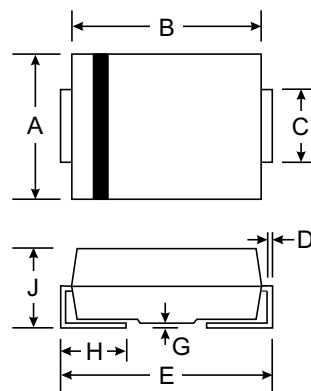
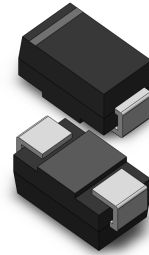
POWER: 1.0Watts

Features

- 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 flameretardant
- Lead : Lead formed for Surface mount
- Polarity : Color band denotes cathode end
- Mounting position : Any
- Weight: 0.064 grams (approx.)



SMA(DO-214AC)		
Dim	Min	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 ⁽²⁾	
	(V)	(mA)	(Ω)	(Ω)	(mA)	(μA) (V)	(mA)	(mApk)	
FM4728W	3.3	76.0	10	400	1.0	100 1.0	276	1380	
FM4729W	3.6	69.0	10	400	1.0	100 1.0	252	1260	
FM4730W	3.9	64.0	9.0	400	1.0	50 1.0	234	1190	
FM4731W	4.3	58.0	9.0	400	1.0	10 1.0	217	1070	
FM4732W	4.7	53.0	8.0	500	1.0	10 1.0	193	970	
FM4733W	5.1	49.0	7.0	550	1.0	10 1.0	178	890	
FM4734W	5.6	45.0	5.0	600	1.0	10 2.0	162	810	
FM4735W	6.2	41.0	2.0	700	1.0	10 3.0	146	730	
FM4736W	6.8	37.0	3.5	700	1.0	50 4.0	133	660	
FM4737W	7.5	34.0	4.0	700	0.5	50 5.0	121	605	
FM4738W	8.2	31.0	4.5	700	0.5	50 6.0	110	550	
FM4739W	9.1	28.0	5.0	700	0.5	50 7.0	100	500	
FM4740W	10	25.0	7.0	700	0.25	50 7.6	91	454	
FM4741W	11	23.0	8.0	700	0.25	50 8.4	83	414	
FM4742W	12	21.0	9.0	700	0.25	5.0 9.1	76	380	
FM4743W	13	19.0	10	700	0.25	5.0 9.9	69	344	
FM4744W	15	17.0	14	700	0.25	5.0 11.4	61	305	
FM4745W	16	15.5	16	700	0.25	5.0 12.2	57	285	
FM4746W	18	14.0	20	750	0.25	5.0 13.7	50	250	
FM4747W	20	12.5	22	750	0.25	5.0 15.2	45	225	
FM4748W	22	11.5	23	750	0.25	5.0 16.7	41	205	
FM4749W	24	10.5	25	750	0.25	5.0 18.2	38	190	
FM4750W	27	9.5	35	750	0.25	5.0 20.6	34	170	
FM4751W	30	8.5	40	1000	0.25	5.0 22.8	30	150	
FM4752W	33	7.5	45	1000	0.25	5.0 25.1	27	135	
FM4753W	36	7.0	50	1000	0.25	5.0 27.4	25	125	
FM4754W	39	6.5	60	1000	0.25	5.0 29.7	23	115	
FM4755W	43	6.0	70	1500	0.25	5.0 32.7	22	110	
FM4756W	47	5.5	80	1500	0.25	5.0 35.8	19	95	
FM4757W	51	5.0	95	1500	0.25	5.0 38.8	18	90	
FM4758W	56	4.5	110	2000	0.25	5.0 42.6	16	80	
FM4759W	62	4.0	125	2000	0.25	5.0 47.1	14	70	
FM4760W	68	3.7	150	2000	0.25	5.0 51.7	13	65	
FM4761W	75	3.3	175	2000	0.25	5.0 56.0	12	60	
FM4762W	82	3.0	200	3000	0.25	5.0 62.2	11	55	
FM4763W	91	2.8	250	3000	0.25	5.0 69.2	10	50	
FM4764W	100	2.5	350	3000	0.25	5.0 76.0	9.0	45	