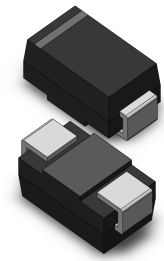
FM4728W - FM4764W

SURFACE MOUNT SILICON ZENER DIODES

VOLTAGE RANGE: 3.3 - 100V
POWER: 1.0Watts



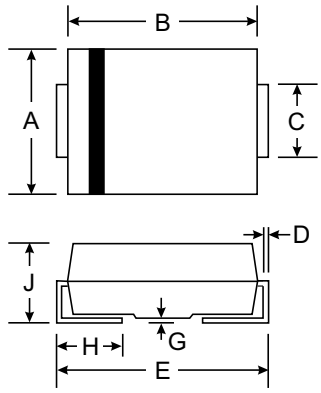
Features

- Highpeakreversepowerdissipation
- Highreliability
- Lowleakagecurrent
- Standard zener voltage tolerance is ± 5%.

Mechanical Data

- Case : SMA(DO-214AC)Moldedplastic
- Epoxy : UL94V-O rate flameretardant
- Lead : Lead formed forSurfacemount
- Polarity : Colorbanddenotescathodeend
- Mountingposition : Any
- Weight: 0.064 grams (approx.)

RoHS COMPLIANT



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 Rating at 25 °C ambient temperature unless otherwise specified

Rating	Symbol	Value	Unit
DC Power Dissipation at T_L = 75 °C (Note1)	P_D	1.0	W
Maximum Forward Voltage at I_F = 200 mA	V_F	1.2	V
Junction Temperature Range	T_J	- 55 to + 150	°C
Storage Temperature Range	Ts	- 55 to + 150	°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
	V_Z @ I_{ZT}	I_{ZT}	Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK}	I_R @ V_R		I_{ZM}	I_{RM}(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