

SDVL型片式压敏电阻器

★ 特征与用途

FEATURES AND APPLICATIONS

- SMD结构适合高密度安装
- 优异的限压比，抗浪涌能力强
- 良好的焊接性能
- 广泛应用于电子设备的过电压和浪涌防护
- 参照GJB 1782-93、Q/XEC 034-2009、Q/XEC 043-2010、Q/XEC 062-2010



★ 产品型号

PRODUCT IDENTIFICATION

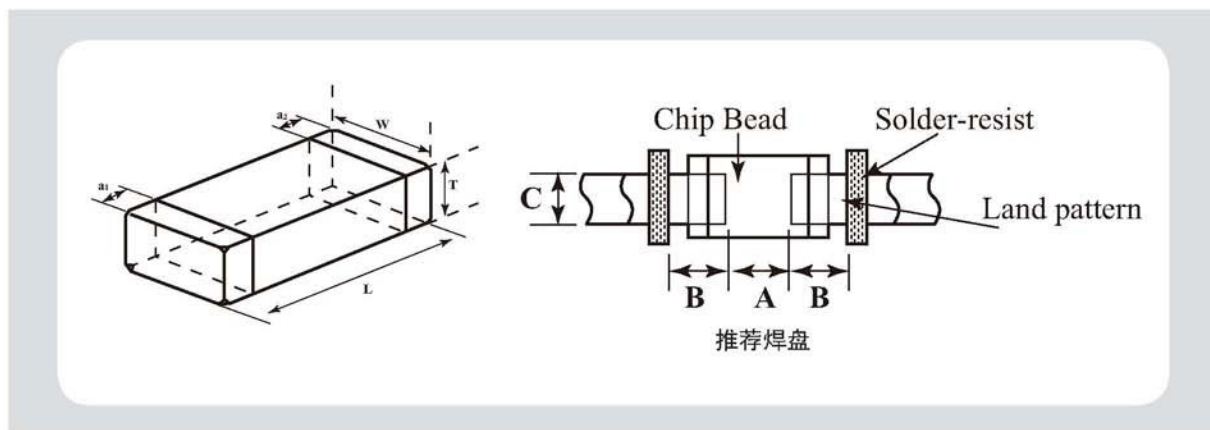
SDVL 3216 S D 180

① — ② — ③ — ④ — ⑤

- ① 片式防浪涌用压敏电阻器
- ② 产品外形尺寸：长×宽
- ③ 压敏电压公差：S表示特殊公差
- ④ 工作电压类型：D表示直流电压
- ⑤ 最大持续工作电压：5R5表示5.5V；180表示18V

★ 外观尺寸

SHAPE AND DIMENSIONS



单位：mm

型号	L	W	T(Max.)	a1、a2	A	B	C
SDVL3216	3.2±0.2	1.6±0.2	1.60	0.20~0.80	1.8~2.5	1.0~1.5	1.2~2.0
SDVL3225	3.2±0.3	2.5±0.25	1.7	0.25~0.75	1.9~2.1	1.2~1.5	2.6~2.8
SDVL4532	4.5±0.4	3.2±0.3	2.5	0.25~1.0	2.8~3.0	1.5~1.8	3.3~3.6
SDVL5650	5.7±0.4	5.0±0.4	2.5	0.25~1.0	4.0~4.2	1.8~2.0	5.2~5.5

★ 规格特性

SPECIFICATIONS

● SDVL3216 TYPE

型号	最大工作电压		压敏电压	限制电压		额定脉冲耐量		电容
测试条件	<20 μ A		@1mA DC	8/20 μ s		脉冲能量 10/1000 μ s	脉冲电流 8/20 μ s	@1V _{rms} 1kHz
	DC	AC RMS						
单位	V	V	V	V	A	J	Amps	pF
符号	V _{WDC}	V _{WAC}	VB	VC	IC	ET	IP	C
SDVL3216SD5R5	5.5	4.0	10.0-14.0	27	5.0	0.5	250	1700
SDVL3216SD090	9	6.4	12.0-16.0	30	5.0	0.5	250	1400
SDVL3216SD120	12	8.5	13.0-19.0	35	5.0	0.5	250	1100
SDVL3216SD140	14	10.1	16.0-22.0	38	5.0	0.5	250	1050
SDVL3216SD180	18	12.7	22.0-28.0	46	5.0	0.5	250	900
SDVL3216SD220	22	15.6	26.0-34.0	54	5.0	0.6	250	750
SDVL3216SD260	26	18.4	31.0-38.0	58	5.0	0.7	200	620
SDVL3216SD300	30	21.3	37.0-46.0	69	5.0	0.7	200	550
SDVL3216SD380	38	30.0	46.0-54.0	80	5.0	0.7	200	330
SDVL3216SD480	48	34.1	54.0-67.0	98	5.0	0.5	150	200
SDVL3216SD560	56	40.0	61.0-75.0	107	5.0	0.5	150	170
SDVL3216SD600	60	46.0	69.0-83.0	121	5.0	0.5	150	140
SDVL3216SD650	65	50.0	73.0-91.0	134	5.0	0.6	150	110
SDVL3216SD750	75	55.0	85.0-103.0	150	5.0	0.6	150	95

● SDVL3225 TYPE

型号	最大工作电压		压敏电压	限制电压		额定脉冲耐量		电容
测试条件	<20 μ A		@1mA DC	8/20 μ s		脉冲能量 10/1000 μ s	脉冲电流 8/20 μ s	@1V _{rms} 1kHz
	DC	AC RMS						
单位	V	V	V	V	A	J	Amps	pF
符号	V _{WDC}	V _{WAC}	VB	VC	IC	ET	IP	C
SDVL3225SD5R5	5.5	4.0	10.0-14.0	27	5.0	0.7	400	3500
SDVL3225SD090	9	6.4	12.0-16.0	30	5.0	0.9	400	2800
SDVL3225SD120	12	8.5	13.0-19.0	35	5.0	1.0	400	2000
SDVL3225SD140	14	10.1	16.0-22.0	38	5.0	1.2	400	1800
SDVL3225SD180	18	12.7	22.0-28.0	46	5.0	1.5	400	1400
SDVL3225SD300	30	21.3	37.0-46.0	69	5.0	1.7	300	800
SDVL3225SD380	38	30.0	46.0-54.0	80	5.0	2.0	300	700
SDVL3225SD480	48	34.1	54.0-67.0	98	5.0	2.0	300	600
SDVL3225SD600	60	46.0	69.0-83.0	121	5.0	2.0	300	450
SDVL3225SD650	65	50.0	73.0-91.0	134	5.0	1.6	300	350
SDVL3225SD750	75	55.0	85.0-103.0	150	5.0	1.6	200	300

★ 规格特性

SPECIFICATIONS

● SDVL4532 TYPE

型号	最大工作电压		压敏电压	限制电压		额定脉冲耐量		电容
测试条件	<20 μ A		@1mA DC	8/20 μ s		脉冲能量 10/1000 μ s	脉冲电流 8/20 μ s	@1V _{rms} 1kHz
	DC	AC RMS						
单位	V	V	V	V	A	J	Amps	pF
符号	V _{WDC}	V _{WAC}	VB	VC	IC	ET	IP	C
SDVL4532SD5R5	5.5	4.0	10.0-14.0	27	5.0	1.0	800	5500
SDVL4532SD090	9	6.4	12.0-16.0	30	5.0	1.2	800	4800
SDVL4532SD120	12	8.5	13.0-19.0	35	5.0	1.5	800	4200
SDVL4532SD140	14	10.1	16.0-22.0	38	5.0	1.9	800	3800
SDVL4532SD180	18	12.7	22.0-28.0	46	5.0	2.3	800	3200
SDVL4532SD220	22	15.6	26.0-34.0	54	5.0	2.5	800	2400
SDVL4532SD260	26	18.4	31.0-38.0	58	5.0	3.0	800	2000
SDVL4532SD300	30	21.3	37.0-46.0	69	5.0	3.7	800	1500
SDVL4532SD380	39	30.0	46.0-54.0	75	5.0	4.2	800	1100
SDVL4532SD480	48	34.1	54.0-67.0	98	5.0	4.0	600	900
SDVL4532SD560	56	40.0	61.0-75.0	107	5.0	4.3	600	800
SDVL4532SD600	60	46.0	69.0-83.0	121	5.0	4.3	600	600
SDVL4532SD650	65	50.0	73.0-91.0	134	5.0	4.0	600	500
SDVL4532SD750	75	55.0	85.0-103.0	150	5.0	4.0	500	400

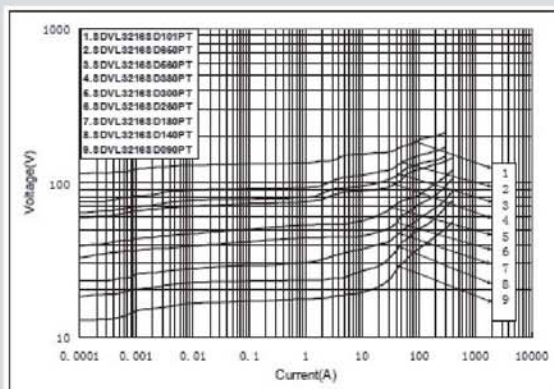
● SDVL5650 TYPE

型号	最大工作电压		压敏电压	限制电压		额定脉冲耐量		电容
测试条件	<20 μ A		@1mA DC	8/20 μ s		脉冲能量 10/1000 μ s	脉冲电流 8/20 μ s	@1V _{rms} 1kHz
	DC	AC RMS						
单位	V	V	V	V	A	J	Amps	pF
符号	V _{WDC}	V _{WAC}	VB	VC	IC	ET	IP	C
SDVL5650SD5R5	5.5	4.0	10.0-14.0	27	10.0	1.4	1200	8000
SDVL5650SD090	9	6.4	12.0-16.0	30	10.0	2.7	1200	7000
SDVL5650SD120	12	8.5	13.0-19.0	35	10.0	3.2	1200	6400
SDVL5650SD140	14	10.1	16.0-22.0	38	10.0	5.4	1200	6000
SDVL5650SD180	18	12.7	22.0-28.0	46	10.0	5.8	1200	5000
SDVL5650SD220	22	15.6	26.0-34.0	54	10.0	6.5	1200	4500
SDVL5650SD260	26	18.4	31.0-38.0	58	10.0	7.8	1200	4000
SDVL5650SD300	30	21.3	37.0-46.0	69	10.0	9.6	1200	3000
SDVL5650SD480	48	34.1	54.0-67.0	98	10.0	7.7	900	1500
SDVL5650SD560	56	40.0	61.0-75.0	107	10.0	9.0	900	1300
SDVL5650SD600	60	46.0	69.0-83.0	121	10.0	6.5	900	1100
SDVL5650SD650	65	50.0	73.0-91.0	134	10.0	5.6	900	900
SDVL5650SD750	75	55.0	85.0-103.0	150	10.0	6.0	800	800

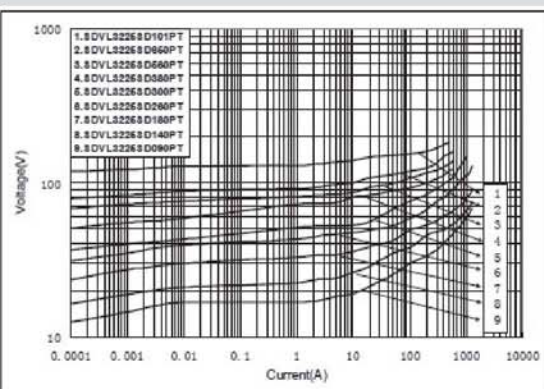
★ 电气特性

TYPICAL ELECTRICAL CHARACTERISTICS

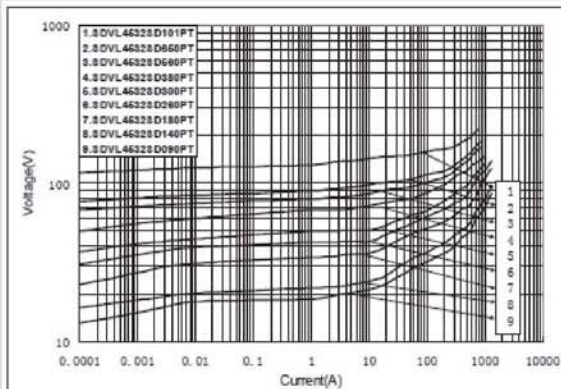
● SDVL3216系列



● SDVL3225系列



● SDVL4532系列



● SDVL5650系列

