

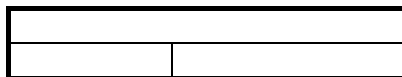
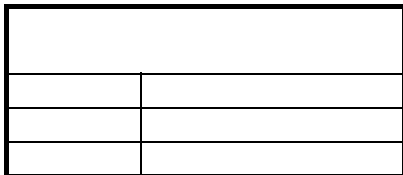
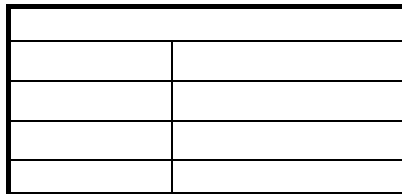
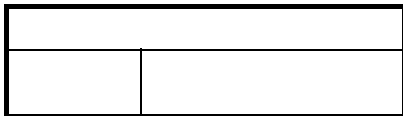
Multilayer Chip Varistor – SDV Series

Operating Temp. : -55 ~+125

FEATURES

APPLICATIONS

PRODUCT IDENTIFICATION



SHAPE AND DIMENSIONS

SPECIFICATIONS

SDV1005A TYPE

Part Number	Max. Working Voltage		Varistor Voltage	Max. Clamping Voltage		Rated Single Pulse Transient		Typical Capacitance
	DC	AC RMS		8/20 s	ESD	Energy 10/1000 s	Peak Current 8/20 s	
Test Condition	<20 A		@1mA DC	8/20 s	ESD	Energy 10/1000 s	Peak Current 8/20 s	@0.5V _{rms} , 1MHz
Units	Volts	Volts						
Symbol	V _{WDC}	V _{WAC}	V _B	V _C ^{*1}	V _C ^{*2}	E _T	I _P	C
SDV1005A5R5C181 ¶ PTF	5.5	4.0	10.0-14.0	18	23	0.05	20	180
SDV1005A5R5C231 ¶ PTF	5.5	4.0	10.0-14.0	18	23	0.05	20	230
SDV1005A5R5C361 ¶ PTF	5.5	4.0	10.0-14.0	18	23	0.05	20	360
SDV1005A090C121 ¶ PTF	9.0	6.4	11.0-16.0	20	26	0.05	20	120
SDV1005A090C151 ¶ PTF	9.0	6.4	11.0-16.0	20	26	0.05	20	150
SDV1005A090C231 ¶ PTF	9.0	6.4	11.0-16.0	20	26	0.05	20	230
SDV1005A140C121 ¶ PTF	14.0	10.0	16.0-22.0	30	39	0.05	20	120

SDV1608A TYPE

Part Number	Max. Working Voltage		Varistor Voltage	Max. Clamping Voltage		Rated Single Pulse Transient		Typical Capacitance
	DC	AC RMS		8/20 s	ESD	Energy 10/1000 s	Peak Current 8/20 s	
Test Condition	<20 A		@1mA DC	8/20 s	ESD	Energy 10/1000 s	Peak Current 8/20 s	@0.5V _{rms} , 1MHz
Units	Volts	Volts						
Symbol	V _{WDC}	V _{WAC}	V _B	V _C ^{*1}	V _C ^{*2}	E _T	I _P	C
SDV1608A5R5C121 ¶ PTF	5.5	4.0	10.0-14.0	18	23	0.05	20	120
SDV1608A5R5C141 ¶ PTF	5.5	4.0	10.0-14.0	18	23	0.05	20	140
SDV1608A5R5C231 ¶ PTF	5.5	4.0	10.0-14.0	18	23	0.1	30	230
SDV1608A5R5C361 ¶ PTF	5.5	4.0	10.0-14.0	18	23	0.1	30	360
SDV1608A5R5C551 ¶ PTF	5.5	4.0	10.0-14.0	18	23	0.1	30	550
SDV1608A5R5C821 ¶ PTF	5.5	4.0	10.0-14.0	18	23	0.1	30	820
SDV1608A090C121 ¶ PTF	9.0	6.4	11.0-16.0	20	26	0.05	20	120
SDV1608A090C141 ¶ PTF	9.0	6.4	11.0-16.0	20	26	0.05	20	140
SDV1608A090C201 ¶ PTF	9.0	6.4	11.0-16.0	20	26	0.1	30	200
SDV1608A090C231 ¶ PTF	9.0	6.4	11.0-16.0	20	26	0.1	30	230
SDV1608A090C361 ¶ PTF	9.0	6.4	11.0-16.0	20	26	0.1	30	360
SDV1608A090C551 ¶ PTF	9.0	6.4	11.0-16.0	20	26	0.1	30	550
SDV1608A090C821 ¶ PTF	9.0	6.4	11.0-16.0	20	26	0.1	30	820
SDV1608A140C121 ¶ PTF	14.0	10.0	16.0-22.0	30	39	0.05	20	120
SDV1608A140C141 ¶ PTF	14.0	10.0	16.0-22.0	30	39	0.05	20	140
SDV1608A140C251 ¶ PTF	14.0	10.0	16.0-22.0	30	39	0.1	30	250
SDV1608A140C361 ¶ PTF	14.0	10.0	16.0-22.0	30	39	0.1	30	360
SDV1608A140C551 ¶ PTF	14.0	10.0	16.0-22.0	30	39	0.1	30	550
SDV1608A180C121 ¶ PTF	18.0	12.7	22.0-28.0	40	48	0.05	20	120
SDV1608A180C141 ¶ PTF	18.0	12.7	22.0-28.0	40	48	0.05	20	140
SDV1608A180C231 ¶ PTF	18.0	12.7	22.0-28.0	40	48	0.1	30	230
SDV1608A180C361 ¶ PTF	18.0	12.7	22.0-28.0	40	48	0.1	30	360
SDV1608A220C121 ¶ PTF	22.0	15.6	26.0-34.0	45	54	0.05	20	120
SDV1608A220C141 ¶ PTF	22.0	15.6	26.0-34.0	45	54	0.05	20	140
SDV1608A220C161 ¶ PTF	22.0	15.6	26.0-34.0	45	54	0.1	30	160
SDV1608A220C231 ¶ PTF	22.0	15.6	26.0-34.0	45	54	0.1	30	230
SDV1608A220C361 ¶ PTF	22.0	15.6	26.0-34.0	45	54	0.1	30	360
SDV1608A260C121 ¶ PTF	26.0	18.4	31.0-38.0	58	70	0.1	30	120
SDV1608A260C161 ¶ PTF	26.0	18.4	31.0-38.0	58	70	0.1	30	160
SDV1608A300C121 ¶ PTF	30.0	21.3	37.0-46.0	65	78	0.1	30	120
SDV1608A300C141 ¶ PTF	30.0	21.3	37.0-46.0	65	78	0.1	30	140

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Specifications subject to change without notice. Please check our website for latest information. Revised 2017/05/02

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SPECIFICATIONS

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TYPICAL ELECTRICAL CHARACTERISTICS

