

DESCRIPTION

The CENTRAL SEMICONDUCTOR 1SMB5.0CA Series types are Surface Mount Bi-Directional Glass Passivated Junction Transient Voltage Suppressors designed to protect voltage sensitive components from high voltage transients. **THIS DEVICE IS MANUFACTURED WITH A GLASS PASSIVATED CHIP FOR OPTIMUM RELIABILITY.**

Note: For Uni-directional devices, please refer to the 1SMB5.0A Series data sheet.

1SMB5.0CA

THRU

1SMB170CA

[查询"1SMB6.0CA"供应商](#)

BI-DIRECTIONAL

GLASS PASSIVATED JUNCTION
TRANSIENT VOLTAGE SUPPRESSOR
600 WATTS, 5.0 THRU 170 VOLTS



SMB CASE

Specified by

STAND-OFF VOLTAGE

MAXIMUM RATINGS (T_A=25°C)

Peak Power Dissipation
Peak Forward Surge Current (JEDEC Method)
Operating and Storage
Junction Temperature

SYMBOL

UNITS

P _{DM}	600	W
I _{FSM}	100	A
T _J , T _{stg}	-65 to +150	°C

ELECTRICAL CHARACTERISTICS (T_A=25°C)

TYPE NO.	REVERSE STAND-OFF VOLTAGE	BREAKDOWN VOLTAGE			MAXIMUM REVERSE LEAKAGE @V _{RWM}	MAXIMUM CLAMPING VOLTAGE @I _{PPM}	MAXIMUM PEAK PULSE CURRENT	MARKING CODE
		V _{BR}		@I _T				
	V _{RWM}	VOLTS						
	VOLTS	MIN	MAX	mA	μA	VOLTS	A	
1SMB5.0CA	5.0	6.40	7.25	10	1600	9.2	65.2	CKEC
1SMB6.0CA	6.0	6.67	7.67	10	1600	10.3	58.3	CKGC
1SMB6.5CA	6.5	7.22	8.30	10	1000	11.2	53.6	CKKC
1SMB7.0CA	7.0	7.78	8.95	10	400	12.0	50.0	CKMC
1SMB7.5CA	7.5	8.33	9.58	1.0	200	12.9	46.5	CKPC
1SMB8.0CA	8.0	8.89	10.23	1.0	100	13.6	44.1	CKRC
1SMB8.5CA	8.5	9.44	10.82	1.0	20	14.4	41.7	CKTC
1SMB9.0CA	9.0	10.0	11.5	1.0	10	15.4	39.0	CKVC
1SMB10CA	10	11.1	12.8	1.0	5.0	17.0	35.3	CKXC
1SMB11CA	11	12.2	14.0	1.0	5.0	18.2	33.0	CKZC
1SMB12CA	12	13.3	15.3	1.0	5.0	19.9	30.2	CLEC
1SMB13CA	13	14.4	16.5	1.0	5.0	21.5	27.9	CLGC

查询"1SMB36.00CA"供应商

TYPE NO.	REVERSE STAND-OFF VOLTAGE	BREAKDOWN VOLTAGE			MAXIMUM REVERSE LEAKAGE @ V_{RWM}	MAXIMUM CLAMPING VOLTAGE @ I_{PPM}	MAXIMUM PEAK PULSE CURRENT	MARKING CODE	
		V_{BR}	@ I_T						
	V_{RWM}	VOLTS			I_R	V_C	I_{PPM}		
	VOLTS	MIN	MAX	mA	μA	VOLTS	A		
1SMB14CA	14	15.6	17.9	1.0	5.0	23.2	25.8	CLKC	
1SMB15CA	15	16.7	19.2	1.0	5.0	24.4	24.0	CLMC	
1SMB16CA	16	17.8	20.5	1.0	5.0	26.0	23.1	CLPC	
1SMB17CA	17	18.9	21.7	1.0	5.0	27.6	21.7	CLRC	
1SMB18CA	18	20.0	23.3	1.0	5.0	29.2	20.5	CLTC	
1SMB20CA	20	22.2	25.5	1.0	5.0	32.4	18.5	CLVC	
1SMB22CA	22	24.4	28.0	1.0	5.0	35.5	16.9	CLXC	
1SMB24CA	24	26.7	30.7	1.0	5.0	38.9	15.4	CLZC	
1SMB26CA	26	28.9	33.2	1.0	5.0	42.1	14.2	CMEC	
1SMB28CA	28	31.1	35.8	1.0	5.0	45.4	13.2	CMGC	
1SMB30CA	30	33.3	38.3	1.0	5.0	48.4	12.4	CMKC	
1SMB33CA	33	36.7	42.2	1.0	5.0	53.3	11.3	CMMC	
1SMB36CA	36	40.0	46.0	1.0	5.0	58.1	10.3	CMPC	
1SMB40CA	40	44.4	51.1	1.0	5.0	64.5	9.3	CMRC	
1SMB43CA	43	47.8	54.9	1.0	5.0	69.4	8.6	CMTC	
1SMB45CA	45	50.0	57.5	1.0	5.0	72.7	8.3	CMVC	
1SMB48CA	48	53.3	61.3	1.0	5.0	77.4	7.7	CMXC	
1SMB51CA	51	56.7	65.2	1.0	5.0	82.4	7.3	CMZC	
1SMB54CA	54	60.0	69.0	1.0	5.0	87.1	6.9	CNEC	
1SMB58CA	58	64.4	74.1	1.0	5.0	93.6	6.4	CNGC	
1SMB60CA	60	66.7	76.7	1.0	5.0	96.8	6.2	CNKC	
1SMB64CA	64	71.1	81.8	1.0	5.0	103	5.8	CNMC	
1SMB70CA	70	77.8	89.5	1.0	5.0	113	5.3	CNPC	
1SMB75CA	75	83.3	95.8	1.0	5.0	121	4.9	CNRC	
1SMB78CA	78	86.7	99.7	1.0	5.0	126	4.7	CNTC	
1SMB85CA	85	94.4	108.2	1.0	5.0	137	4.4	CNVC	
1SMB90CA	90	100.0	115.5	1.0	5.0	146	4.1	CNXC	
1SMB100CA	100	111.0	128.0	1.0	5.0	162	3.7	CNZC	
1SMB110CA	110	122.0	140.5	1.0	5.0	177	3.4	CPEC	
1SMB120CA	120	133.0	153.0	1.0	5.0	193	3.1	CPGC	
1SMB130CA	130	144.0	165.5	1.0	5.0	209	2.9	CPKC	
1SMB150CA	150	167.0	192.5	1.0	5.0	243	2.5	CPMC	
1SMB160CA	160	178.0	205.0	1.0	5.0	259	2.3	CPPC	
1SMB170CA	170	189.0	217.5	1.0	5.0	275	2.2	CPRC	

All Dimensions in Inches (mm).

