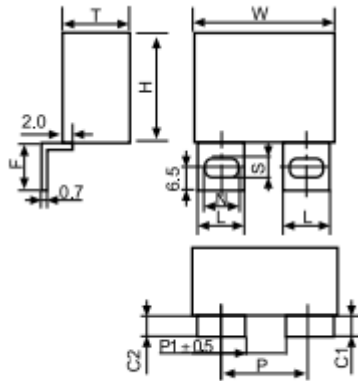




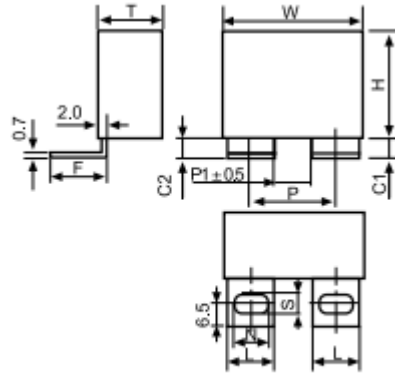
SCMPA IGBT 吸收电容器

SCMPA Snubber Capacitor for TGBT

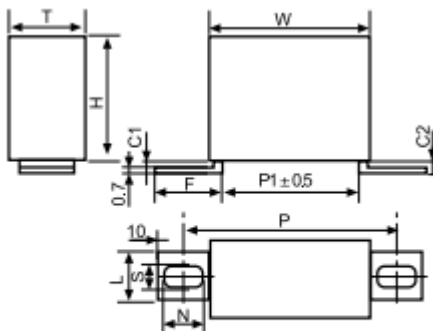
■ 外形尺寸 Outline Drawing



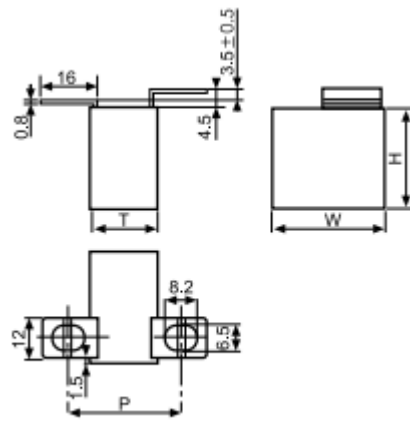
(Style1)



(Style2)



(Style3)



(Style4)

■ 特点

- 广泛应用于高压高频脉冲电路中
- 损耗小，内部温升小良好的电器性能
- 优异的阻燃性能
- 适合作为 IGBT 的吸收电容

■ Features

- Widely used in high voltage ,high frequency circuit.
- Low loss and small interent temperature rise.
- Excellent active and passive flame resistant circuit.
- Especially designed as snubber capacitor for IGBT.

■ 技术要求 Specifications

引用标准 Reference Standards	GB/T17702(IEC61071)
气候类别 Climatic Category	40/85/56
工作温度范围（外壳最高温度点） Operating temperature range (Max. temperature of case surface)	-40~85°C
额定电压 Rated Voltage	630Vdc~3000Vdc
电容量范围 Capacitance Range	0.047μF~9μF (at: 20°C,1KHz)
电容量偏差 Capacitance Tolerance	J(±5%),K(±10%)
耐电压 Voltage Proof	1.6 U _N (10s)
损耗角正切 Dissipation Factor	≤0.0005 (at: 1KHz,20°C)
绝缘电阻 Insulation Resistance	≥100000MΩ (C _N ≤0.33μF); ≥30000s (C _N >0.33μF) (at: 20°C,100Vdc,1min)
最大峰值电流(A)Maximum Peak Current	IP=C _N *dv/dt
工作寿命 Working Lifetime	100000hrs @ θ _{hs} =70°C



■ 技术参数 Technical data

700Vdc (420Vac)									
Part Number	C _N (μ F)	Dimension (mm)			dv/dt (V/μs)	I _t (A)	ESR max@ 100 KHz (mΩ)	L _s (nH)	I _{max} 100 KHz @ 70°C (A)
		W±1	H±1	T±1					
SCMPA700684□□□□□□	0.68	37.0	25.0	15.0	900	612	5.0	23	13
SCMPA700105□□□□□□	1.0	37.0	30.0	16.0	900	900	5.0	23	14
SCMPA700125□□□□□□	1.2	37.0	30.0	16.0	900	1080	4.5	23	16
SCMPA700155□□□□□□	1.5	37.0	34.0	20.0	900	1350	4.5	23	17
SCMPA700185□□□□□□	1.8	37.0	34.0	20.0	900	1620	4.5	23	18
SCMPA700205□□□□□□	2.0	42.0	40.0	20.0	600	1200	4.0	29	18
SCMPA700225□□□□□□	2.2	42.0	40.0	20.0	600	1320	4.0	29	18.5
SCMPA700255□□□□□□	2.5	42.0	40.0	20.0	600	1500	4.0	29	19
SCMPA700305□□□□□□	3.0	42.0	44.0	24.0	600	1800	4.0	29	20
SCMPA700335□□□□□□	3.3	42.0	44.0	24.0	600	1980	3.5	29	20
SCMPA700405□□□□□□	4.0	42.0	44.0	24.0	600	2400	3.5	29	21
SCMPA700475□□□□□□	4.7	42.0	45.0	30.0	600	2820	3.5	29	23
SCMPA700505□□□□□□	5.0	42.0	45.0	30.0	600	3000	3.0	29	23.5
SCMPA700605□□□□□□	6.0	42.0	43.0	42.0	600	3600	3.0	29	25
SCMPA700655□□□□□□	6.5	42.0	43.0	42.0	600	3900	3.0	29	26
SCMPA700655□□□□□□	6.5	57.0	45.0	30.0	360	2340	2.5	33	24
SCMPA700705□□□□□□	7.0	57.0	45.0	30.0	360	2520	2.5	33	25
SCMPA700805□□□□□□	8.0	57.0	50.0	35.0	360	2880	2.5	33	27
SCMPA700905□□□□□□	9.0	57.0	50.0	35.0	360	3240	2.5	33	29
850Vdc (450Vac)									
SCMPA850474□□□□□□	0.47	37.0	25.0	15.0	1200	564	5.0	23	15
SCMPA850684□□□□□□	0.68	37.0	30.0	16.0	1200	816	5.0	23	16
SCMPA850105□□□□□□	1.0	37.0	34.0	20.0	1200	1200	5.0	23	17
SCMPA850125□□□□□□	1.2	37.0	34.0	20.0	1200	1440	5.0	23	17.5
SCMPA850155□□□□□□	1.5	37.0	34.0	20.0	1200	1800	5.0	23	18
SCMPA850155□□□□□□	1.5	42.0	40.0	20.0	750	1125	4.5	29	18.5
SCMPA850205□□□□□□	2.0	42.0	40.0	20.0	750	1500	4.5	29	19
SCMPA850225□□□□□□	2.2	42.0	40.0	20.0	750	1650	4.5	29	19.5
SCMPA850255□□□□□□	2.5	42.0	44.0	24.0	750	1875	4.5	29	20
SCMPA850305□□□□□□	3.0	42.0	44.0	24.0	750	2250	4.5	29	21
SCMPA850335□□□□□□	3.3	42.0	45.0	30.0	750	2475	4.5	29	21.5
SCMPA850405□□□□□□	4.0	42.0	43.0	42.0	750	3000	4.5	29	22
SCMPA850405□□□□□□	4.0	57.0	45.0	30.0	450	1800	4.0	33	23
SCMPA850475□□□□□□	4.7	57.0	45.0	30.0	450	2115	4.0	33	24.5
SCMPA850505□□□□□□	5.0	57.0	45.0	30.0	450	2250	4.0	33	25
SCMPA850605□□□□□□	6.0	57.0	50.0	35.0	450	2700	4.0	33	26
SCMPA850655□□□□□□	6.5	57.0	50.0	35.0	450	2925	4.0	33	27
1000Vdc (500Vac)									
SCMPA1KV474□□□□□□	0.47	37.0	25.0	15.0	1300	611	5.0	23	14
SCMPA1KV474□□□□□□	0.47	32.0	29.0	19.0	2200	1034	4.0	15	21
SCMPA1KV684□□□□□□	0.68	37.0	30.0	16.0	1300	884	5.0	23	15
SCMPA1KV824□□□□□□	0.82	37.0	30.0	16.0	1300	1066	5.0	23	16
SCMPA1KV105□□□□□□	1.0	37.0	34.0	20.0	1300	1300	4.5	23	17
SCMPA1KV125□□□□□□	1.2	37.0	34.0	20.0	1300	1560	4.5	23	17
SCMPA1KV125□□□□□□	1.2	42.0	40.0	20.0	850	1020	4.5	29	16
SCMPA1KV155□□□□□□	1.5	42.0	40.0	20.0	850	1275	4.5	29	16
SCMPA1KV205□□□□□□	2	42.0	44.0	24.0	850	1700	4.5	29	17
SCMPA1KV225□□□□□□	2.2	42.0	44.0	24.0	850	1870	4.0	29	20



Part Number	C _N (μ F)	Dimension (mm)			dv/dt (V/μs)	İ (A)	ESR max@ 100 KHz (mΩ)	L _s (nH)	I _{max} 100 KHz @ 70°C (A)
1000Vdc (500Vac)									
SCMPA1KV255□□□□□□	2.5	42.0	45.0	30.0	850	2125	4.0	29	21
SCMPA1KV305□□□□□□	3.0	42.0	45.0	30.0	850	2550	4.0	29	21.5
SCMPA1KV335□□□□□□	3.3	42.0	43.0	42.0	850	2805	4.0	29	22
SCMPA1KV335□□□□□□	3.3	57.0	45.0	30.0	500	1650	4.0	33	20
SCMPA1KV405□□□□□□	4.0	57.0	45.0	30.0	500	2000	4.0	33	21
SCMPA1KV475□□□□□□	4.7	57.0	50.0	35.0	500	2350	4.0	33	22
SCMPA1KV505□□□□□□	5.0	57.0	50.0	35.0	500	2500	4.0	33	23
1200Vdc (600Vac)									
SCMPA1K2334□□□□□□	0.33	37.0	25.0	15.0	1500	495	4.5	23	15
SCMPA1K2474□□□□□□	0.47	37.0	30.0	16.0	1500	705	4.5	23	16
SCMPA1K2684□□□□□□	0.68	37.0	34.0	20.0	1500	1020	4.5	23	17
SCMPA1K2754□□□□□□	0.75	37.0	34.0	20.0	1500	1125	4.5	23	18
SCMPA1K2824□□□□□□	0.82	42.0	40.0	20.0	950	779	4.0	29	18
SCMPA1K2105□□□□□□	1.0	42.0	40.0	20.0	950	950	4.0	29	19
SCMPA1K2125□□□□□□	1.2	42.0	44.0	24.0	950	1140	4.0	29	19
SCMPA1K2155□□□□□□	1.5	42.0	44.0	24.0	950	1425	4.0	29	19.5
SCMPA1K2205□□□□□□	2.0	42.0	45.0	30.0	950	1900	4.0	29	20
SCMPA1K2225□□□□□□	2.2	42.0	43.0	42.0	950	2090	4.0	29	21
SCMPA1K2255□□□□□□	2.5	42.0	43.0	42.0	950	2375	4.0	29	22
SCMPA1K2225□□□□□□	2.2	57.0	45.0	30.0	600	1320	3.8	33	20
SCMPA1K2255□□□□□□	2.5	57.0	45.0	30.0	600	1500	3.8	33	21
SCMPA1K2305□□□□□□	3.0	57.0	45.0	30.0	600	1800	3.8	33	22
SCMPA1K2335□□□□□□	3.3	57.0	50.0	35.0	600	1980	3.8	33	23
SCMPA1K2405□□□□□□	4.0	57.0	50.0	35.0	600	2400	3.8	33	24
1600Vdc (650Vac)									
SCMPA1K6224□□□□□□	0.22	37.0	25.0	15.0	1900	418	6.0	23	15
SCMPA1K6334□□□□□□	0.33	37.0	30.0	16.0	1900	627	6.0	23	15.5
SCMPA1K6394□□□□□□	0.39	37.0	34.0	20.0	1900	741	5.5	23	16
SCMPA1K6474□□□□□□	0.47	37.0	24.0	20.0	1900	893	5.5	23	17
SCMPA1K6684□□□□□□	0.68	42.0	40.0	20.0	1250	850	4.0	29	18
SCMPA1K6824□□□□□□	0.82	42.0	44.0	24.0	1250	1025	4.0	29	19
SCMPA1K6105□□□□□□	1.0	42.0	45.0	30.0	1250	1250	4.0	29	19.5
SCMPA1K6125□□□□□□	1.2	42.0	45.0	30.0	1250	1500	4.0	29	20
SCMPA1K6155□□□□□□	1.5	42.0	43.0	42.0	1250	1875	4.0	29	21
SCMPA1K6155□□□□□□	1.5	57.0	45.0	30.0	750	1125	3.5	33	22
SCMPA1K6205□□□□□□	2.0	57.0	50.0	35.0	750	1500	3.5	33	24
1700Vdc (675Vac)									
SCMPA1K7154□□□□□□	0.15	37.0	25.0	15.0	2000	300	7.0	23	14
SCMPA1K7224□□□□□□	0.22	37.0	30.0	16.0	2000	440	6.0	23	15
SCMPA1K7334□□□□□□	0.33	37.0	34.0	20.0	2000	660	5.5	23	15.5
SCMPA1K7394□□□□□□	0.39	37.0	34.0	20.0	2000	780	5.5	23	16
SCMPA1K7474□□□□□□	0.47	42.0	36.0	24.0	1260	592	4.0	29	16
SCMPA1K7564□□□□□□	0.56	42.0	36.0	24.0	1260	706	4.0	29	17
SCMPA1K7684□□□□□□	0.68	42.0	44.0	24.0	1260	857	3.5	29	18
SCMPA1K7824□□□□□□	0.82	42.0	44.0	24.0	1260	1033	3.5	29	19
SCMPA1K7105□□□□□□	1.0	42.0	45.0	30.0	1260	1260	3.5	29	20
SCMPA1K7125□□□□□□	1.2	42.0	43.0	42.0	1260	1512	3.5	29	21
SCMPA1K7105□□□□□□	1.0	57.0	45.0	25.0	780	780	3.5	33	18
SCMPA1K7125□□□□□□	1.2	57.0			43.5	29.5	780	936	3.5



Part Number	C _N (μ F)	Dimension (mm)			dv/dt (V/μs)	I (A)	ESR max@ 100 KHz (mΩ)	L _s (nH)	I _{max} 100 KHz @ 70°C (A)
		W±1	H±1	T±1					
1700Vdc (675Vac)									
SCMPA1K7155□□□□□□	1.5	57.0	50.0	35.0	780	1170	3.0	33	22
SCMPA1K7205□□□□□□	2.0	57.0	50.0	35.0	780	1560	3.0	33	24
SCMPA1K7305□□□□□□	3.0	57.0	55.0	45.0	780	2340	3.0	33	28
2000Vdc (700Vac)									
SCMPA2KV104□□□□□□	0.10	37.0	25.0	15.0	2241	224	8.0	23	14
SCMPA2KV154□□□□□□	0.15	37.0	25.0	15.0	2241	336	8.0	23	15
SCMPA2KV224□□□□□□	0.22	37.0	30.0	16.0	2241	493	6.0	23	15.5
SCMPA2KV334□□□□□□	0.33	37.0	34.0	20.0	2241	740	6.0	23	16
SCMPA2KV474□□□□□□	0.47	42.0	40.0	20.0	1300	611	4.0	29	17
SCMPA2KV564□□□□□□	0.56	42.0	44.0	24.0	1300	728	4.0	29	18
SCMPA2KV684□□□□□□	0.68	42.0	44.0	24.0	1300	884	3.5	29	18.5
SCMPA2KV824□□□□□□	0.82	42.0	45.0	30.0	1300	1066	3.5	29	19
SCMPA2KV105□□□□□□	1.0	42.0	43.0	42.0	1300	1300	3.5	29	21
SCMPA2KV105□□□□□□	1.0	57.0	45.0	30.0	850	850	4.0	33	24
SCMPA2KV125□□□□□□	1.2	57.0	45.0	30.0	850	1020	4.0	33	23
SCMPA2KV155□□□□□□	1.5	57.0	50.0	35.0	850	1275	4.0	33	24
2500Vdc (725Vac)									
SCMPA2K5683□□□□□□	0.068	37.0	25.0	15.0	3230	220	8.5	23	14
SCMPA2K5104□□□□□□	0.10	37.0	30.0	16.0	3230	323	8.5	23	15
SCMPA2K5154□□□□□□	0.15	37.0	34.0	20.0	3230	485	8.0	23	16
SCMPA2K5184□□□□□□	0.18	37.0	34.0	20.0	3230	581	7.5	23	17
SCMPA2K5224□□□□□□	0.22	42.0	40.0	20.0	2100	462	4.0	29	17
SCMPA2K5334□□□□□□	0.33	42.0	44.0	24.0	2100	693	4.0	29	17.5
SCMPA2K5474□□□□□□	0.47	42.0	45.0	30.0	2100	987	3.5	29	18
SCMPA2K5684□□□□□□	0.68	42.0	43.0	42.0	2100	1428	3.5	29	18.5
SCMPA2K5684□□□□□□	0.68	57.0	45.0	30.0	1200	816	3.5	33	19
SCMPA2K5105□□□□□□	1.0	57.0	50.0	35.0	1200	1200	3.5	33	19.5
3000Vdc (750Vac)									
SCMPA3KV473□□□□□□	0.047	37.0	25.0	15.0	3361	158	8.5	23	13
SCMPA3KV683□□□□□□	0.068	37.0	30.0	16.0	3361	229	8.0	23	14
SCMPA3KV104□□□□□□	0.1	37.0	34.0	20.0	3361	336	7.5	23	15
SCMPA3KV154□□□□□□	0.15	37.0	34.0	20.0	3361	504	7.0	23	15.5
SCMPA3KV224□□□□□□	0.22	42.0	40.0	20.0	2050	451	5.0	29	16
SCMPA3KV334□□□□□□	0.33	42.0	45.0	30.0	2050	677	4.5	29	16.5
SCMPA3KV474□□□□□□	0.47	42.0	43.0	42.0	2050	964	4.0	29	18
SCMPA3KV474□□□□□□	0.47	57.0	45.0	30.0	1200	564	4.0	33	18.5
SCMPA3KV684□□□□□□	0.68	57.0	50.0	35.0	1200	816	4.0	33	19
SCMPA3KV824□□□□□□	0.82	57.0	50.0	35.0	1200	984	3.5	33	20

■ 产品编码说明 Product Code

S C M P A	□ □ □	□ □ □	□	□ □	□	□ □
Series code	Voltage	Rate capacitance value	Capacitance tolerance	Lead Spacing	Color	Identification Code