

## Type SCA Snubber Film Capacitor

SCA型 直接安

## Type SCA Direct Mount



特点:

## Highlights

承受瞬间大电流

- High peak & RMS current capability

直接安装在IGBT模块上

- Mounts directly to the IGBT module

小于20nH的低电感

- Low inductance < 20 nH

符合UL94V0 标准的阻燃环氧树脂封装

- Flame resistance case and resin, meets UL94V0

种类

## Ratings

用途:

## Applications

SCA型对速率电压上升的中低电流的IGBT提供了电压的保护,

Type SCA offers protection against voltage transients in low to medium current IGBT applications where high

连接在两个IGBT模块上联络C1到E2的电容器, 或者从P端口及 dV/dt is encountered. Connect these capacitors from C1 to E2 on a dual IGBT module or from terminal P

N端口除去了在六组模块上一些瞬间的电压。

to terminal N on a six-pack module to eliminate severe voltage transients.

## RoHS Compliant

目录型号 Catalog Part Number	ELECTRICAL CHARACTERISTICS					安培 I rms (A) 70°C 100 kHz	CASE DIMENSIONS					
	电容量 Cap. (µF)	频率 Vac (*)	电压 上升 速率 dV/dt (V/µs)	峰值 电流 Ipk Amps	等效 串联 电阻 ESR mΩ		Length 长度 (L)		H for "B" Type S型的高度 W for S & W Type		W for "B" Type S型的高度 H for S & W Type	
							(in)	(mm)	(in)	(mm)	(in)	(mm)
<b>1000 Vdc</b>												
SCA474K102D3-P-F	0.47	480	870	409	4	14.0	1.69	43.0	1.10	28.0	0.98	25.0
SCA684K102D3-P-F	0.68	480	870	591.6	3.3	16.5	1.69	43.0	1.10	28.0	0.98	25.0
SCA754K102D3-P-F	0.75	480	870	652.5	3.2	17.5	1.69	43.0	1.10	28.0	0.98	25.0
SCA105K102D3-P-F	1.00	480	870	870	2.5	22.0	1.69	43.0	1.10	28.0	0.98	25.0
SCA125K102D3-P-F	1.20	480	870	1044	2.5	23.5	1.69	43.0	1.42	36.0	1.34	34.0
SCA155K102D3-P-F	1.50	480	870	1305	2.2	25.0	1.69	43.0	1.42	36.0	1.34	34.0
SCA205K102D3-P-F	2.00	480	870	1740	2	28.0	1.69	43.0	1.81	46.0	1.34	34.0
SCA225K102D3-P-F	2.20	480	500	1100	2.5	27.5	2.28	58.0	1.77	45.0	1.22	31.0
SCA305K102D3-P-F	3.00	480	500	1500	2.1	32.0	2.28	58.0	1.97	50.0	1.38	35.0
SCA335K102D3-P-F	3.30	480	500	1650	2	32.5	2.28	58.0	1.97	50.0	1.38	35.0
<b>1200 Vdc</b>												
SCA334K122D3-P-F	0.33	500	1000	330	5.1	12.5	1.69	43.0	1.10	28.0	0.98	25.0
SCA394K122D3-P-F	0.39	500	1000	390	4.6	14.0	1.69	43.0	1.10	28.0	0.98	25.0
SCA474K122D3-P-F	0.47	500	1000	470	4.1	15.0	1.69	43.0	1.10	28.0	0.98	25.0
SCA564K122D3-P-F	0.56	500	1000	560	3.7	16.0	1.69	43.0	1.10	28.0	0.98	25.0
SCA684K122D3-P-F	0.68	500	1000	680	3.3	20.0	1.69	43.0	1.42	36.0	1.34	34.0
SCA824K122D3-P-F	0.82	500	1000	820	3	21.0	1.69	43.0	1.42	36.0	1.34	34.0
SCA105K122D3-P-F	1.00	500	1000	1000	2.7	22.5	1.69	43.0	1.42	36.0	1.34	34.0
SCA125K122D3-P-F	1.20	500	1000	1200	2.4	25.0	1.69	43.0	1.81	46.0	1.34	34.0
SCA155K122D3-P-F	1.50	500	1000	1500	2.1	27.5	1.69	43.0	1.81	46.0	1.34	34.0
SCA205K122D3-P-F	2.00	500	575	1150	2.4	28.0	2.28	58.0	1.77	45.0	1.22	31.0
SCA225K122D3-P-F	2.20	500	575	1265	2.3	31.0	2.28	58.0	1.97	50.0	1.38	35.0
SCA255K122D3-P-F	2.50	500	575	1437.5	2.1	32.5	2.28	58.0	1.97	50.0	1.38	35.0

# Type SCA Snubber Film Capacitor

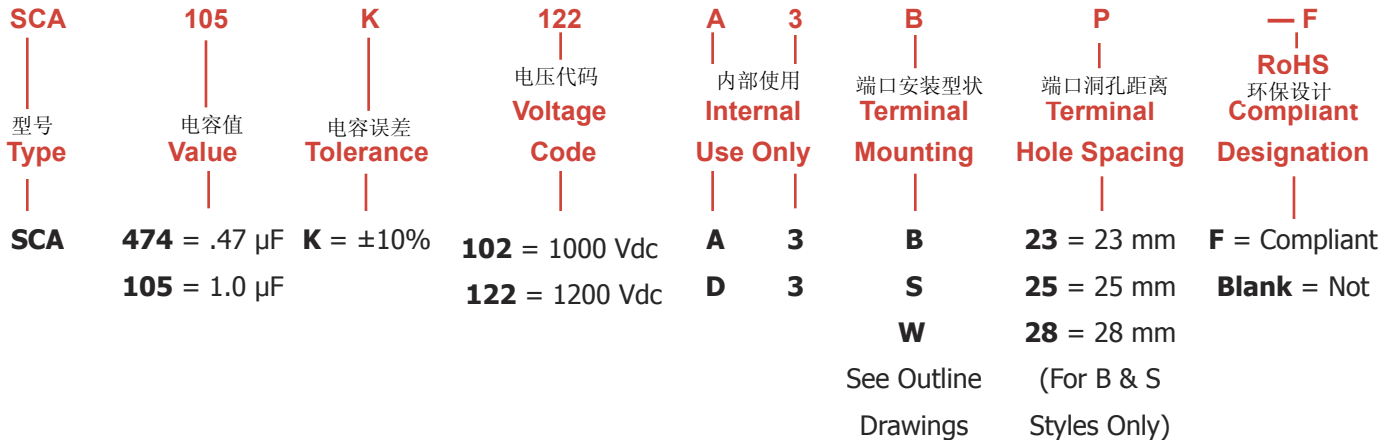
种类

## Ratings

目录型号 Catalog Part Number	ELECTRICAL CHARACTERISTICS					安培 I rms (A) 70°C 100 kHz	CASE DIMENSIONS							
	电容量 Cap. (μF)	频率 Vac (*)	电压 上升 速率 dV/dt (V/μs)	峰值 电流 Ipk Amps	等效 串联 电阻 ESR mΩ		B型的高度		B型的宽度					
							Length 长度 (L)		H for "B" Type		W for "B" Type		S型的高度	
							(in)	(mm)	S型的宽度 W for S & W Type		H for S & W Type		(in)	(mm)
<b>1500 Vdc</b>														
SCA224K152D3-P-F	0.22	500	1220	268.4	6.1	11.0	1.69	43.0	1.10	28.0	0.98	25.0		
SCA334K152D3-P-F	0.33	500	1220	402.6	4.6	14.0	1.69	43.0	1.10	28.0	0.98	25.0		
SCA394K152D3-P-F	0.39	500	1220	475.8	4.3	14.5	1.69	43.0	1.10	28.0	0.98	25.0		
SCA474K152D3-P-F	0.47	500	1220	573.4	3.7	19.0	1.69	43.0	1.42	36.0	1.34	34.0		
SCA684K152D3-P-F	0.68	500	1220	829.6	3	21.0	1.69	43.0	1.42	36.0	1.34	34.0		
SCA105K152D3-P-F	1.00	500	1220	1220	2.5	23.0	1.69	43.0	1.81	46.0	1.34	34.0		
SCA155K152D3-P-F	1.50	500	725	1087.5	2.5	29.5	2.28	58.0	1.97	50.0	1.38	35.0		
SCA205K152D3-P-F	2.00	500	725	1450	3.7	26.5	2.28	58.0	1.97	50.0	1.38	35.0		
<b>2000 Vdc</b>														
SCA104K202D3-P-F	0.10	500	1600	160	12.5	9.0	1.69	43.0	1.10	28.0	0.98	25.0		
SCA154K202D3-P-F	0.15	500	1600	240	7.5	11.5	1.69	43.0	1.10	28.0	0.98	25.0		
SCA224K202D3-P-F	0.22	500	1600	352	5.1	16.0	1.69	43.0	1.10	28.0	0.98	25.0		
SCA334K202D3-P-F	0.33	500	1600	528	4.1	18.0	1.69	43.0	1.42	36.0	1.34	34.0		
SCA474K202D3-P-F	0.47	500	1600	752	3.3	22.0	1.69	43.0	1.81	46.0	1.34	34.0		
SCA564K202D3-P-F	0.56	500	1600	896	3	23.0	1.69	43.0	1.81	46.0	1.34	34.0		
SCA684K202D3-P-F	0.68	500	930	632.4	3.5	23.0	2.28	58.0	1.77	45.0	1.22	31.0		
SCA105K202D3-P-F	1.00	500	930	930	2.8	28.0	2.28	58.0	1.97	50.0	1.38	35.0		
SCA125K202D3-P-F	1.20	500	930	1116	2.4	29.5	2.28	58.0	1.97	50.0	1.38	35.0		

型号体系

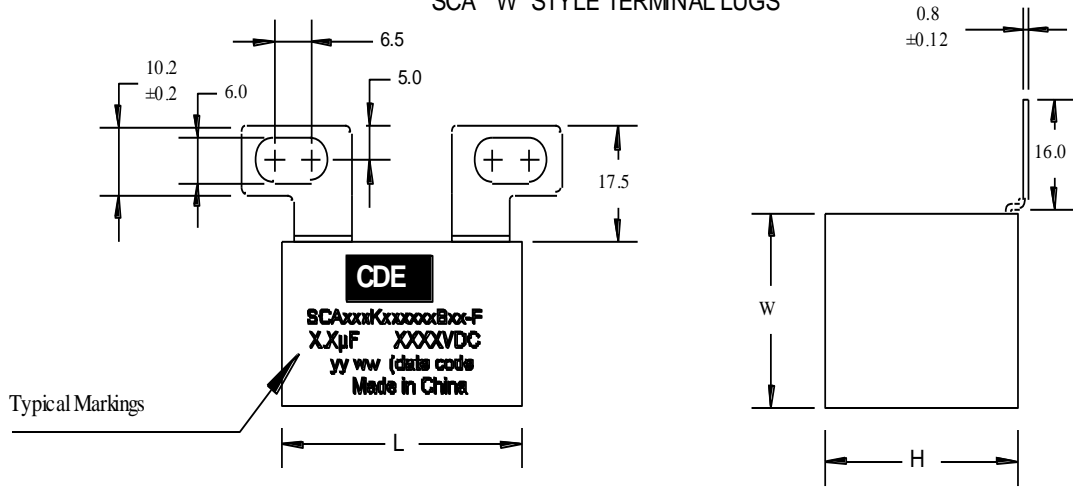
## Part Numbering System



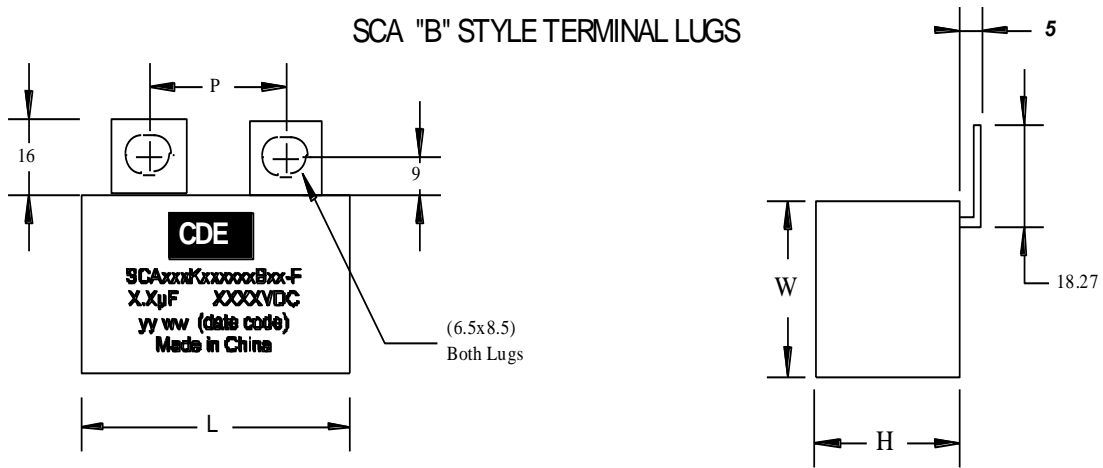
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## 略图 Outline Drawings

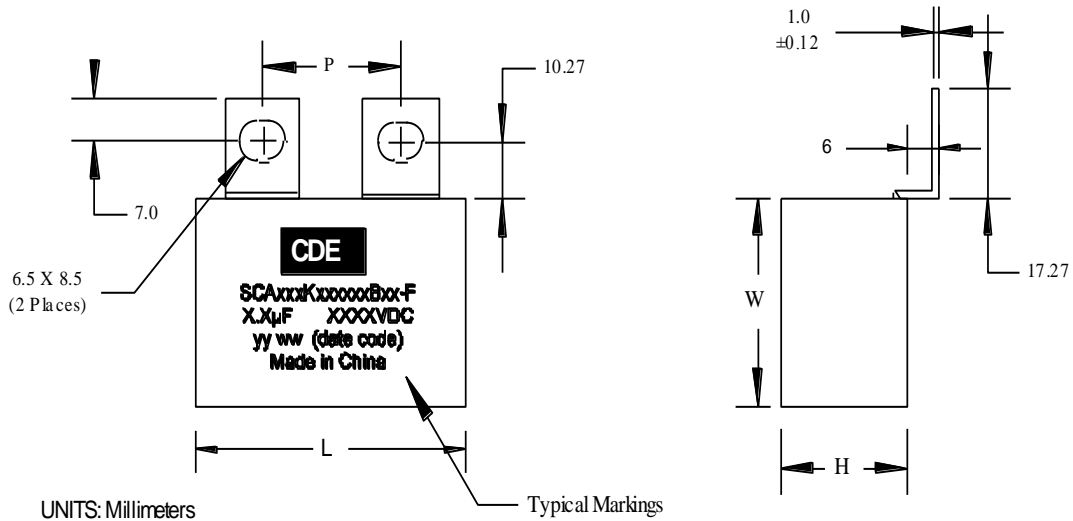
SCA "W" STYLE TERMINAL LUGS



SCA "B" STYLE TERMINAL LUGS



SCA "S" STYLE TERMINAL LUGS



UNITS: Millimeters

Typical Markings

TOLERANCES: ±0.5mm otherwise specified

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