

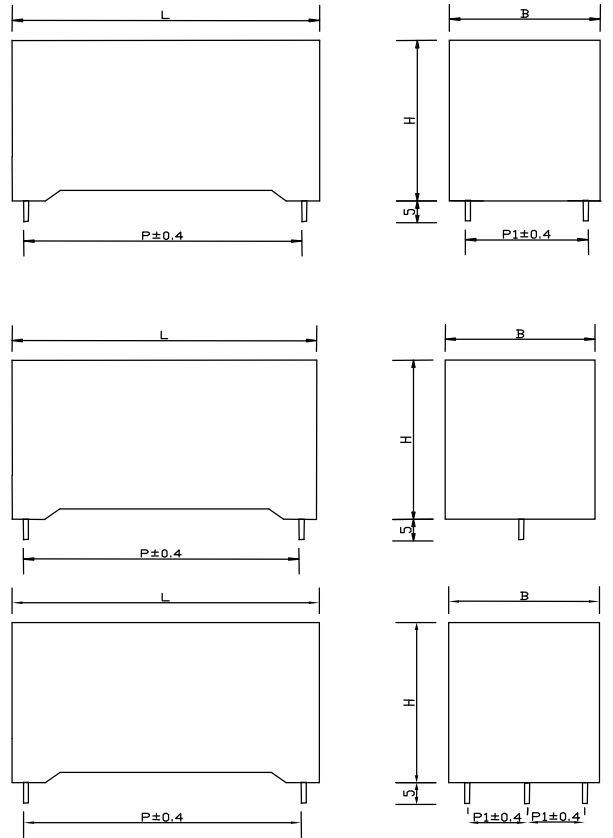
IGBT 缓冲吸收 / IGBT Snubber

特点 / Features

- ◆聚丙烯薄膜介质
- ◆双面金属化薄膜与单面金属聚丙烯薄膜
内串结构
- ◆高脉冲电流,高 dv/dt,具有自愈性
- ◆低损耗, 低自感
- ◆阻燃塑料外壳,环氧树脂封装 (94-V0)
- ◆镀锡铜线引出

技术性能 / Specifications

| | |
|--------|---|
| 引用标准 | IEC 61071, GB17702 |
| 使用温度范围 | -40 to + 85°C(max hotspots≤70°C) |
| 储存温度 | -40 to + 85°C |
| 容量范围 | 0.022 to 10μF |
| 额定电压 | 700 to 3000 Vdc |
| 电容量偏差 | ± 5%(J) ± 10%(K) |
| 损耗角正切 | <0.0005(1k Hz 20± 5°C) |
| 绝缘电阻 | 30,000s but need not exceed 30GΩ after 1 minute of electrification at 100Vdc (25±5°C) |
| 极间耐电压 | 1.5Ur (DC) applied for 10s at 25±5°C |
| 极壳电压 | 3.0 KV 50Hz for 60 sec |
| 预期寿命 | 100,000 hours at Un and 70°C |



常用规格技术参数 General Electrical data

| Part Number | CAP μF | Dimension (mm) | | | | | du/dt v/μs | Ipeak A | Irms max@60°C @10kHz | ESR @10kHz (mΩ) |
|-------------------------------------|-----------|----------------|------|------|------|-----|---------------|------------|----------------------------|-----------------------|
| | | L | T | H | P | d | | | | |
| Ur 700Vdc Urms 380Vac, Upk 1000Vdc | | | | | | | | | | |
| CSB700K0.22-*# | 0.22 | 26.5 | 11.0 | 20.0 | 22.5 | 0.8 | 900 | 198 | 6.5 | 7.5 |
| CSB700K0.22-*# | 0.22 | 31.0 | 11.0 | 20.0 | 27.5 | 1.0 | 600 | 132 | 6.5 | 8.0 |
| CSB700K0.33-*# | 0.33 | 31.0 | 13.0 | 22.0 | 27.5 | 1.0 | 600 | 198 | 8.5 | 6.3 |
| CSB700K0.47-*# | 0.47 | 31.0 | 15.0 | 24.5 | 27.5 | 1.0 | 600 | 282 | 9.0 | 5.1 |
| CSB700K0.68-*# | 0.68 | 31.0 | 17.0 | 28.0 | 27.5 | 1.2 | 600 | 408 | 12.0 | 4.0 |
| CSB700K1.0-*# | 1.0 | 31.0 | 22.0 | 31.0 | 27.5 | 1.2 | 600 | 600 | 12.5 | 3.4 |
| CSB700K1.0-*# | 1.0 | 42.5 | 17.0 | 28.0 | 37.5 | 1.2 | 450 | 450 | 12.5 | 3.8 |
| CSB700K1.5-*# | 1.5 | 42.5 | 22.0 | 30.0 | 37.5 | 1.2 | 450 | 675 | 13.0 | 3.5 |
| CSB700K2.0-*# | 2.0 | 42.5 | 28.0 | 37.0 | 37.5 | 1.2 | 450 | 900 | 13.5 | 3.3 |
| CSB700K2.2-*# | 2.2 | 42.5 | 28.0 | 37.0 | 37.5 | 1.2 | 450 | 990 | 13.5 | 3.1 |
| CSB700K3.0-*# | 3.0 | 42.5 | 30.0 | 45.0 | 37.5 | 1.2 | 450 | 1350 | 13.5 | 2.9 |
| CSB700K3.3-*# | 3.3 | 42.5 | 30.0 | 45.0 | 37.5 | 1.2 | 450 | 1485 | 13.5 | 2.6 |
| CSB700K4.0-*# | 4.0 | 42.5 | 33.0 | 45.0 | 37.5 | 1.2 | 450 | 1800 | 14.0 | 2.3 |
| CSB700K4.0-*# | 4.0 | 57.5 | 30.0 | 45.0 | 52.5 | 1.2 | 300 | 1200 | 14.0 | 3.3 |
| CSB700K4.7-*# | 4.7 | 57.5 | 30.0 | 45.0 | 52.5 | 1.2 | 300 | 1410 | 14.0 | 3.0 |
| CSB700K5.6-*# | 5.6 | 57.5 | 35.0 | 50.0 | 52.5 | 1.2 | 300 | 1680 | 14.0 | 2.5 |
| Ur 1000Vdc Urms 450Vac, Upk 1400Vdc | | | | | | | | | | |
| CSB1000K0.068-*# | 0.068 | 26.5 | 8.5 | 17.0 | 22.5 | 0.8 | 1200 | 81.6 | 2.3 | 14.0 |

| CSB1000K0.1-# | 0.1 | 26.5 | 11.0 | 20.0 | 22.5 | 0.8 | 1200 | 120 | 5.0 | 10.0 |
|-------------------------------------|-----------|----------------|------|------|------|-----|---------------|------------|----------------------------|-----------------------|
| Part Number | CAP μF | Dimension (mm) | | | | | du/dt v/μs | Ipeak A | Irms max@60°C @10kHz | ESR @10kHz (mΩ) |
| | | L | T | H | P | d | | | | |
| Ur 700Vdc Urms 380Vac, Upk 1000Vdc | | | | | | | | | | |
| CSB1000K0.15-# | 0.15 | 26.5 | 12.0 | 22.0 | 22.5 | 0.8 | 1200 | 180 | 6.5 | 7.5 |
| CSB1000K0.15-# | 0.15 | 31.0 | 11.0 | 20.0 | 27.5 | 0.8 | 1000 | 150 | 6.5 | 8.3 |
| CSB1000K0.22-# | 0.22 | 31.0 | 15.0 | 24.5 | 27.5 | 1.0 | 1000 | 220 | 9.0 | 6.8 |
| CSB1000K0.33-# | 0.33 | 31.0 | 17.0 | 28.0 | 27.5 | 1.0 | 1000 | 330 | 12.0 | 5.7 |
| CSB1000K0.47-# | 0.47 | 31.0 | 18.0 | 33.0 | 27.5 | 1.2 | 1000 | 470 | 14.0 | 4.1 |
| CSB1000K0.47-# | 0.47 | 42.5 | 17.0 | 28.0 | 37.5 | 1.2 | 650 | 305 | 12.0 | 4.8 |
| CSB1000K0.68-# | 0.68 | 42.5 | 22.0 | 30.0 | 37.5 | 1.2 | 650 | 442 | 12.0 | 4.2 |
| CSB1000K1.0-# | 1.0 | 42.5 | 28.0 | 37.0 | 37.5 | 1.2 | 650 | 650 | 14.0 | 3.6 |
| CSB1000K1.5-# | 1.5 | 42.5 | 30.0 | 45.0 | 37.5 | 1.2 | 650 | 975 | 14.0 | 3.1 |
| CSB1000K2.0-# | 2.0 | 42.5 | 33.0 | 45.0 | 37.5 | 1.2 | 650 | 1300 | 14.0 | 2.5 |
| CSB1000K2.0-# | 2.0 | 57.5 | 30.0 | 45.0 | 52.5 | 1.2 | 400 | 800 | 14.0 | 3.2 |
| CSB1000K2.2-# | 2.2 | 57.5 | 30.0 | 45.0 | 52.5 | 1.2 | 400 | 880 | 14.0 | 2.6 |
| CSB1000K0.15-# | 0.15 | 26.5 | 12.0 | 22.0 | 22.5 | 0.8 | 1200 | 180 | 6.5 | 7.5 |
| CSB1000K0.15-# | 0.15 | 31.0 | 11.0 | 20.0 | 27.5 | 0.8 | 1000 | 150 | 6.5 | 8.3 |
| CSB1000K3.0-# | 3.0 | 57.5 | 35.0 | 50.0 | 52.5 | 1.2 | 400 | 1200 | 14.0 | 2.4 |
| CSB1000K3.3-# | 3.3 | 57.5 | 35.0 | 50.0 | 52.5 | 1.2 | 400 | 1320 | 14.0 | 2.2 |
| Ur 1200Vdc Urms 500Vac, Upk 1600Vdc | | | | | | | | | | |
| CSB1200K0.047-# | 0.047 | 26.5 | 8.5 | 17.0 | 22.5 | 0.8 | 1500 | 70.5 | 3.5 | 17.0 |
| CSB1200K0.068-# | 0.068 | 26.5 | 10.0 | 18.5 | 22.5 | 0.8 | 1500 | 102 | 4.0 | 13.0 |
| CSB1200K0.068-# | 0.068 | 31.0 | 9.0 | 18.0 | 27.5 | 0.8 | 1200 | 81.6 | 4.0 | 14.2 |
| CSB1200K0.1-# | 0.1 | 26.5 | 12.0 | 22.0 | 22.5 | 0.8 | 1500 | 150 | 5.5 | 10.1 |
| CSB1200K0.1-# | 0.1 | 31.0 | 11.0 | 20.0 | 27.5 | 0.8 | 1200 | 81.6 | 5.5 | 10.5 |
| CSB1200K0.15-# | 0.15 | 31.0 | 13.0 | 22.0 | 27.5 | 1.0 | 1200 | 180 | 7.0 | 8.5 |
| CSB1200K0.22-# | 0.22 | 31.0 | 15.0 | 24.5 | 27.5 | 1.0 | 1200 | 264 | 9.0 | 7.1 |
| CSB1200K0.33-# | 0.33 | 31.0 | 18.0 | 33.0 | 27.5 | 1.2 | 1200 | 396 | 12.0 | 5.5 |
| CSB1200K0.33-# | 0.33 | 42.5 | 15.0 | 26.0 | 37.5 | 1.2 | 850 | 280.5 | 12.0 | 5.5 |
| CSB1200K0.47-# | 0.47 | 42.5 | 17.0 | 28.0 | 37.5 | 1.2 | 850 | 399.5 | 12.5 | 4.8 |
| CSB1200K0.68-# | 0.68 | 42.5 | 22.0 | 30.0 | 37.5 | 1.2 | 850 | 578 | 14.0 | 4.0 |
| CSB1200K1.0-# | 1.0 | 42.5 | 28.0 | 37.0 | 37.5 | 1.2 | 850 | 850 | 14.0 | 3.5 |
| CSB1200K1.5-# | 1.5 | 42.5 | 30.0 | 45.0 | 37.5 | 1.2 | 850 | 1275 | 14.0 | 2.8 |
| CSB1200K2.0-# | 2.0 | 57.5 | 30.0 | 45.0 | 52.5 | 1.2 | 450 | 900 | 14.0 | 3.0 |
| CSB1200K2.2-# | 2.2 | 57.5 | 30.0 | 50.0 | 52.5 | 1.2 | 450 | 990 | 14.0 | 2.8 |
| CSB1200K3.0-# | 3.0 | 57.5 | 35.0 | 50.0 | 52.5 | 1.2 | 450 | 1350 | 14.0 | 2.4 |
| Ur 1600Vdc Urms 500Vac, Upk 2000Vdc | | | | | | | | | | |
| CSB1600K0.033-# | 0.033 | 26.5 | 8.5 | 17.0 | 22.5 | 0.8 | 1800 | 59.4 | 3.0 | 23.0 |
| CSB1600K0.047-# | 0.047 | 26.5 | 10.0 | 18.5 | 22.5 | 0.8 | 1800 | 84.6 | 3.5 | 17.0 |
| CSB1600K0.047-# | 0.047 | 31.0 | 9.0 | 18.0 | 27.5 | 0.8 | 1500 | 70.5 | 3.5 | 18.5 |
| CSB1600K0.068-# | 0.068 | 26.5 | 12.0 | 22.0 | 22.5 | 0.8 | 1800 | 122.4 | 5.0 | 12.5 |

| Part Number | CAP μF | Dimension (mm) | | | | | du/dt V/μs | Ipeak A | Irms max@60°C @10kHz | ESR @10kHz (mΩ) |
|-------------------------------------|-----------|----------------|------|------|------|-----|---------------|------------|-------------------------|-----------------------|
| | | L | T | H | P | d | | | | |
| Ur 1600Vdc Urms 500Vac, Upk 2000Vdc | | | | | | | | | | |
| CSB1600K0.068-*# | 0.068 | 31.0 | 11.0 | 20.0 | 27.5 | 0.8 | 1500 | 102 | 5.0 | 14.5 |
| CSB1600K0.1-*# | 0.1 | 31.0 | 13.0 | 22.0 | 27.5 | 0.8 | 1500 | 150 | 6.5 | 10.5 |
| CSB1600K0.15-*# | 0.15 | 31.0 | 17.0 | 28.0 | 27.5 | 1.0 | 1500 | 225 | 8.0 | 7.5 |
| CSB1600K0.22-*# | 0.22 | 31.0 | 18.0 | 33.0 | 27.5 | 1.2 | 1500 | 330 | 11.0 | 5.5 |
| CSB1600K0.22-*# | 0.22 | 42.5 | 17.0 | 28.0 | 37.5 | 1.2 | 1000 | 220 | 10.0 | 6.8 |
| CSB1600K0.33-*# | 0.33 | 42.5 | 22.0 | 30.0 | 37.5 | 1.2 | 1000 | 330 | 12.0 | 5.1 |
| CSB1600K0.47-*# | 0.47 | 42.5 | 28.0 | 37.0 | 37.5 | 1.2 | 1000 | 470 | 14.0 | 4.5 |
| CSB1600K0.68-*# | 0.68 | 42.5 | 28.0 | 37.0 | 37.5 | 1.2 | 1000 | 680 | 14.0 | 4.0 |
| CSB1600K1.0-*# | 1.0 | 42.5 | 30.0 | 45.0 | 37.5 | 1.2 | 1000 | 1000 | 14.0 | 3.5 |
| CSB1600K1.2-*# | 1.2 | 57.5 | 30.0 | 45.0 | 52.5 | 1.2 | 600 | 720 | 14.0 | 3.6 |
| CSB1600K1.5-*# | 1.5 | 57.5 | 35.0 | 50.0 | 52.5 | 1.2 | 600 | 900 | 14.0 | 3.2 |
| Ur 2000Vdc Urms 630Vac, Upk 2500Vdc | | | | | | | | | | |
| CSB2000K0.022-*# | 0.022 | 26.5 | 8.5 | 17.0 | 22.5 | 0.8 | 2500 | 55 | 2.5 | 27.0 |
| CSB2000K0.033-*# | 0.033 | 26.5 | 11.0 | 20.0 | 22.5 | 0.8 | 2500 | 82.5 | 3.5 | 22.0 |
| CSB2000K0.033-*# | 0.033 | 31.0 | 11.0 | 20.0 | 27.5 | 0.8 | 2000 | 66 | 4.0 | 24.0 |
| CSB2000K0.047-*# | 0.047 | 26.5 | 12.0 | 22.0 | 22.5 | 0.8 | 2500 | 117.5 | 4.5 | 15.0 |
| CSB2000K0.047-*# | 0.047 | 31.0 | 11.0 | 20.0 | 27.5 | 0.8 | 2000 | 94 | 4.5 | 16.8 |
| CSB2000K0.068-*# | 0.068 | 31.0 | 13.0 | 22.0 | 27.5 | 0.8 | 2000 | 136 | 5.5 | 12.5 |
| CSB2000K0.1-*# | 0.1 | 31.0 | 15.0 | 24.5 | 27.5 | 1.0 | 2000 | 200 | 8.0 | 8.5 |
| CSB2000K0.15-*# | 0.15 | 31.0 | 18.0 | 33.0 | 27.5 | 1.0 | 2000 | 300 | 11.0 | 6.5 |
| CSB2000K0.15-*# | 0.15 | 42.5 | 15.0 | 26.0 | 37.5 | 1.2 | 1200 | 180 | 9.0 | 8.0 |
| CSB2000K0.22-*# | 0.22 | 42.5 | 22.0 | 30.0 | 37.5 | 1.2 | 1200 | 264 | 12.0 | 5.5 |
| CSB2000K0.33-*# | 0.33 | 42.5 | 28.0 | 37.0 | 37.5 | 1.2 | 1200 | 396 | 13.0 | 5.0 |
| CSB2000K0.47-*# | 0.47 | 42.5 | 28.0 | 37.0 | 37.5 | 1.2 | 1200 | 564 | 14.0 | 4.0 |
| CSB2000K0.68-*# | 0.68 | 42.5 | 33.0 | 45.0 | 37.5 | 1.2 | 1200 | 816 | 14.0 | 3.8 |
| CSB2000K0.68-*# | 0.68 | 57.5 | 30.0 | 45.0 | 52.5 | 1.2 | 700 | 476 | 14.0 | 4.5 |
| Ur3000Vdc Urms 700Vac, Upk 3500Vdc | | | | | | | | | | |
| CSB3000K0.01-*# | 0.01 | 26.5 | 8.5 | 17.0 | 22.5 | 0.8 | 3500 | 35 | 2.5 | 45.5 |
| CSB3000K0.01-*# | 0.01 | 31.0 | 9.0 | 18.0 | 27.5 | 0.8 | 3000 | 30 | 2.5 | 54.0 |
| CSB3000K0.022-*# | 0.022 | 26.5 | 12.0 | 22.0 | 22.5 | 0.8 | 3500 | 77 | 3.0 | 33.0 |
| CSB3000K0.022-*# | 0.022 | 31.0 | 11.0 | 20.0 | 27.5 | 0.8 | 3000 | 66 | 3.0 | 38.0 |
| CSB3000K0.033-*# | 0.033 | 31.0 | 15.0 | 24.5 | 27.5 | 0.8 | 3000 | 99 | 5.0 | 19.0 |
| CSB3000K0.047-*# | 0.047 | 31.0 | 18.0 | 33.0 | 27.5 | 0.8 | 3000 | 141 | 7.0 | 14.0 |
| CSB3000K0.1-*# | 0.1 | 42.5 | 22.0 | 33.0 | 37.5 | 1.2 | 1800 | 180 | 10.0 | 9.6 |
| CSB3000K0.22-*# | 0.22 | 42.5 | 30.0 | 45.0 | 37.5 | 1.2 | 1800 | 396 | 12.0 | 6.1 |
| CSB3000K0.33-*# | 0.33 | 42.5 | 33.0 | 45.0 | 37.5 | 1.2 | 1800 | 594 | 14.0 | 5.6 |
| CSB3000K0.33-*# | 0.47 | 57.5 | 33.0 | 50.0 | 52.5 | 1.2 | 1000 | 470 | 14.0 | 4.9 |

产品编码说明： CSB1200K0.47-EC

"E" = "E(2leads) ' F(4leads) ' H(6leads).. "

"C" = "A(P=22.5) ' B(P=27.5) ' C(P=37.5) ' D(P=52.5).. "