

## 产品特点

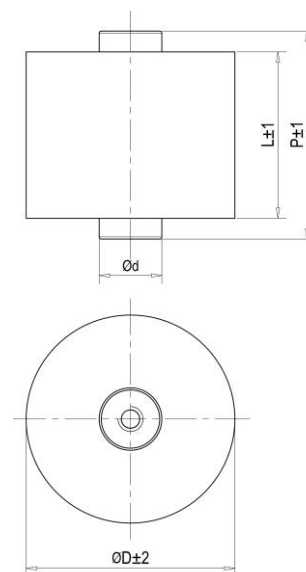
引用标准 : IEC 61071  
 介质 : 金属化聚丙烯薄膜  
 结构 : 干式无感结构, 聚酯胶带封装, 树脂填充 (UL94 V-0)

## 电气特性

工作温度 : - 40 至 + 85 °C  
 容量范围 : 0.068 至 3.0 $\mu$ F  
 额定电压 : 4K 至 20KVDC  
 容量偏差 :  $\pm 5\%$ ,  $\pm 10\%$   
 损耗因素 :  $\leq 8 \times 10^{-4}$  @ 1KHz, 20 $\pm 5$ °C  
 预期寿命 : 100,000 小时 @ Un, 70 °C (热点温度)  
 极间耐压 : 1.5Un (DC) @ 10s, 20 $\pm 5$ °C  
 极壳耐压 : (1.5Un+1000)VAC, 最小 3000VAC (10s, 50Hz)  
 绝缘电阻 : (IR $\times$ Cn) 30000s (不超过 30G $\Omega$ ),  
 100VDC (20 $\pm 5$ °C), 1 分钟

## 应用

GTO 可控硅保护 隔直 高压应用



|             |             |
|-------------|-------------|
| M6*8        | M8*8        |
| d= 15mm     | d= 18mm     |
| 4.5 N.m Max | 8.5 N.m Max |

## 特性参数

| 订货代码                  | 容量<br>(μF) | 尺寸 (mm) |     |      |    | ESR @10K<br>Hz(mΩ) | Ls<br>(nH) | Du/dt<br>(v/μs) | Ipeak<br>(A) | Urms<br>(VAC) | Irms@60℃<br>@10KHz(A) |
|-----------------------|------------|---------|-----|------|----|--------------------|------------|-----------------|--------------|---------------|-----------------------|
|                       |            | L       | D   | 螺口   | P  |                    |            |                 |              |               |                       |
| Un 4000VDC , Us 6000V |            |         |     |      |    |                    |            |                 |              |               |                       |
| SDD-4000-0.68-50F6    | 0.68       | 50      | 50  | M6*8 | 61 | 2.1                | ≤25        | 1010            | 687          | 1600          | 16                    |
| SDD-4000-0.75-50F6    | 0.75       | 50      | 52  | M6*8 | 61 | 1.9                | ≤25        | 1010            | 758          | 1600          | 17                    |
| SDD-4000-1.0-50F8     | 1.0        | 50      | 60  | M8*8 | 61 | 1.5                | ≤25        | 1010            | 1010         | 1600          | 21                    |
| SDD-4000-1.25-50F8    | 1.25       | 50      | 67  | M8*8 | 61 | 1.3                | ≤25        | 1010            | 1263         | 1600          | 25                    |
| SDD-4000-1.5-50F8     | 1.5        | 50      | 73  | M8*8 | 61 | 1.1                | ≤25        | 1010            | 1515         | 1600          | 28                    |
| SDD-4000-2.0-50F8     | 2.0        | 50      | 84  | M8*8 | 61 | 0.9                | ≤25        | 1010            | 2020         | 1600          | 35                    |
| SDD-4000-2.5-50F8     | 2.5        | 50      | 93  | M8*8 | 61 | 0.8                | ≤25        | 1010            | 2525         | 1600          | 41                    |
| SDD-4000-0.68-64F6    | 0.68       | 64      | 38  | M6*8 | 76 | 4.0                | ≤25        | 770             | 524          | 1500          | 13                    |
| SDD-4000-1.0-64F6     | 1.0        | 64      | 45  | M6*8 | 76 | 3.0                | ≤25        | 770             | 770          | 1500          | 17                    |
| SDD-4000-1.5-64F6     | 1.5        | 64      | 55  | M6*8 | 76 | 2.5                | ≤25        | 770             | 1155         | 1500          | 24                    |
| SDD-4000-2.0-64F8     | 2.0        | 64      | 63  | M8*8 | 76 | 2.0                | ≤25        | 770             | 1540         | 1500          | 29                    |
| SDD-4000-2.5-64F8     | 2.5        | 64      | 70  | M8*8 | 76 | 1.8                | ≤25        | 770             | 1925         | 1500          | 34                    |
| SDD-4000-3.0-64F8     | 3.0        | 64      | 76  | M8*8 | 76 | 1.6                | ≤25        | 770             | 2310         | 1500          | 38                    |
| Un 5000VDC , Us 7500V |            |         |     |      |    |                    |            |                 |              |               |                       |
| SDD-5000-0.50-50F6    | 0.50       | 50      | 53  | M6*8 | 61 | 2.2                | ≤25        | 1130            | 565          | 2000          | 14                    |
| SDD-5000-0.68-50F8    | 0.68       | 50      | 62  | M8*8 | 61 | 1.7                | ≤25        | 1130            | 768          | 2000          | 18                    |
| SDD-5000-0.75-50F8    | 0.75       | 50      | 65  | M8*8 | 61 | 1.6                | ≤25        | 1130            | 848          | 2000          | 20                    |
| SDD-5000-1.0-50F8     | 1.0        | 50      | 74  | M8*8 | 61 | 1.3                | ≤25        | 1130            | 1130         | 2000          | 24                    |
| SDD-5000-1.25-50F8    | 1.25       | 50      | 83  | M8*8 | 61 | 1.1                | ≤25        | 1130            | 1413         | 2000          | 29                    |
| SDD-5000-1.5-50F8     | 1.5        | 50      | 90  | M8*8 | 61 | 0.9                | ≤25        | 1130            | 1695         | 2000          | 33                    |
| SDD-5000-2.0-50F8     | 2.0        | 50      | 102 | M8*8 | 61 | 0.8                | ≤25        | 1130            | 2260         | 2000          | 41                    |
| Un 6000VDC , Us 9000V |            |         |     |      |    |                    |            |                 |              |               |                       |
| SDD-6000-0.50-64F6    | 0.50       | 64      | 52  | M6*8 | 77 | 2.7                | ≤25        | 1240            | 620          | 2400          | 15                    |
| SDD-6000-0.68-64F8    | 0.68       | 64      | 61  | M8*8 | 77 | 2.1                | ≤25        | 1240            | 843          | 2400          | 19                    |
| SDD-6000-0.75-64F8    | 0.75       | 64      | 64  | M8*8 | 77 | 1.9                | ≤25        | 1240            | 930          | 2400          | 20                    |
| SDD-6000-1.0-64F8     | 1.0        | 64      | 73  | M8*8 | 77 | 1.5                | ≤25        | 1240            | 1240         | 2400          | 25                    |
| SDD-6000-1.25-64F8    | 1.25       | 64      | 81  | M8*8 | 77 | 1.3                | ≤25        | 1240            | 1550         | 2400          | 30                    |
| SDD-6000-1.5-64F8     | 1.5        | 64      | 89  | M8*8 | 77 | 1.1                | ≤25        | 1240            | 1860         | 2400          | 34                    |
| SDD-6000-2.0-64F8     | 2.0        | 64      | 100 | M8*8 | 77 | 0.9                | ≤25        | 1240            | 2480         | 2400          | 41                    |

## 特性参数

| 订货代码                    | 容量<br>( $\mu$ F) | 尺寸 (mm) |     |      |     | ESR @10K<br>Hz(m $\Omega$ ) | Ls<br>(nH) | Du/dt<br>(v/ $\mu$ s) | Ipeak<br>(A) | Urms<br>(VAC) | Irms@60℃<br>@10KHz(A) |
|-------------------------|------------------|---------|-----|------|-----|-----------------------------|------------|-----------------------|--------------|---------------|-----------------------|
|                         |                  | L       | D   | 螺口   | P   |                             |            |                       |              |               |                       |
| Un 6000VDC , Us 9000V   |                  |         |     |      |     |                             |            |                       |              |               |                       |
| SDD-6000-0.50-90F6      | 0.50             | 90      | 40  | M6*8 | 100 | 5.0                         | ≤25        | 950                   | 475          | 2250          | 13                    |
| SDD-6000-0.68-90F6      | 0.68             | 90      | 46  | M6*8 | 100 | 3.8                         | ≤25        | 950                   | 646          | 2250          | 16                    |
| SDD-6000-1.0-90F6       | 1.0              | 90      | 55  | M6*8 | 100 | 2.7                         | ≤25        | 950                   | 950          | 2250          | 22                    |
| SDD-6000-1.5-90F8       | 1.5              | 90      | 66  | M8*8 | 100 | 1.9                         | ≤25        | 950                   | 1425         | 2250          | 29                    |
| SDD-6000-2.0-90F8       | 2.0              | 90      | 76  | M8*8 | 100 | 1.5                         | ≤25        | 950                   | 1900         | 2250          | 35                    |
| SDD-6000-2.2-90F8       | 2.2              | 90      | 80  | M8*8 | 100 | 1.4                         | ≤25        | 950                   | 2090         | 2250          | 38                    |
| Un 8000VDC , Us 12000V  |                  |         |     |      |     |                             |            |                       |              |               |                       |
| SDD-8000-0.33-80F6      | 0.33             | 80      | 49  | M6*8 | 93  | 4.0                         | ≤25        | 1430                  | 472          | 3200          | 12                    |
| SDD-8000-0.50-80F8      | 0.50             | 80      | 60  | M8*8 | 93  | 2.7                         | ≤25        | 1430                  | 715          | 3200          | 17                    |
| SDD-8000-0.68-80F8      | 0.68             | 80      | 70  | M8*8 | 93  | 2.1                         | ≤25        | 1430                  | 972          | 3200          | 22                    |
| SDD-8000-0.75-80F8      | 0.75             | 80      | 73  | M8*8 | 93  | 1.9                         | ≤25        | 1430                  | 1073         | 3200          | 23                    |
| SDD-8000-1.0-80F8       | 1.0              | 80      | 84  | M8*8 | 93  | 1.5                         | ≤25        | 1430                  | 1430         | 3200          | 29                    |
| SDD-8000-1.25-80F8      | 1.25             | 80      | 93  | M8*8 | 93  | 1.3                         | ≤25        | 1430                  | 1788         | 3200          | 34                    |
| SDD-8000-1.5-80F8       | 1.5              | 80      | 102 | M8*8 | 93  | 1.1                         | ≤25        | 1430                  | 2145         | 3200          | 39                    |
| SDD-8000-0.33-114F5     | 0.33             | 114     | 38  | M5*8 | 124 | 7.4                         | ≤25        | 1100                  | 363          | 3000          | 11                    |
| SDD-8000-0.50-114F6     | 0.50             | 114     | 45  | M6*8 | 124 | 5.0                         | ≤25        | 1100                  | 550          | 3000          | 15                    |
| SDD-8000-0.68-114F6     | 0.68             | 114     | 52  | M6*8 | 124 | 3.8                         | ≤25        | 1100                  | 748          | 3000          | 19                    |
| SDD-8000-0.82-114F6     | 0.82             | 114     | 57  | M6*8 | 124 | 3.2                         | ≤25        | 1100                  | 902          | 3000          | 22                    |
| SDD-8000-1.0-114F8      | 1.0              | 114     | 63  | M8*8 | 124 | 2.7                         | ≤25        | 1100                  | 1100         | 3000          | 25                    |
| SDD-8000-1.5-114F8      | 1.5              | 114     | 76  | M8*8 | 124 | 1.9                         | ≤25        | 1100                  | 1650         | 3000          | 33                    |
| Un 10000VDC , Us 15000V |                  |         |     |      |     |                             |            |                       |              |               |                       |
| SDD-10000-0.33-98F6     | 0.33             | 98      | 55  | M6*8 | 109 | 4.0                         | ≤25        | 1600                  | 528          | 4000          | 14                    |
| SDD-10000-0.50-98F8     | 0.50             | 98      | 67  | M8*8 | 109 | 2.7                         | ≤25        | 1600                  | 800          | 4000          | 19                    |
| SDD-10000-0.68-98F8     | 0.68             | 98      | 77  | M8*8 | 109 | 2.1                         | ≤25        | 1600                  | 1088         | 4000          | 24                    |
| SDD-10000-0.75-98F8     | 0.75             | 98      | 81  | M8*8 | 109 | 1.9                         | ≤25        | 1600                  | 1200         | 4000          | 26                    |
| SDD-10000-1.0-98F8      | 1.0              | 98      | 93  | M8*8 | 109 | 1.5                         | ≤25        | 1600                  | 1600         | 4000          | 32                    |
| SDD-10000-1.25-98F8     | 1.25             | 98      | 104 | M8*8 | 109 | 1.3                         | ≤25        | 1600                  | 2000         | 4000          | 38                    |
| SDD-10000-0.33-140F6    | 0.33             | 140     | 41  | M6*8 | 148 | 7.4                         | ≤25        | 1220                  | 403          | 3750          | 12                    |
| SDD-10000-0.50-140F6    | 0.50             | 140     | 50  | M6*8 | 148 | 5.0                         | ≤25        | 1220                  | 610          | 3750          | 17                    |
| SDD-10000-0.68-140F6    | 0.68             | 140     | 58  | M6*8 | 148 | 3.8                         | ≤25        | 1220                  | 830          | 3750          | 21                    |
| SDD-10000-0.82-140F8    | 0.82             | 140     | 64  | M8*8 | 148 | 3.2                         | ≤25        | 1220                  | 1000         | 3750          | 24                    |
| SDD-10000-1.0-140F8     | 1.0              | 140     | 70  | M8*8 | 148 | 2.7                         | ≤25        | 1220                  | 1220         | 3750          | 28                    |
| SDD-10000-1.2-140F8     | 1.2              | 140     | 76  | M8*8 | 148 | 2.3                         | ≤25        | 1220                  | 1464         | 3750          | 32                    |
| Un 12000VDC , Us 18000V |                  |         |     |      |     |                             |            |                       |              |               |                       |
| SDD-12000-0.22-114F6    | 0.22             | 114     | 49  | M6*8 | 125 | 5.8                         | ≤25        | 1750                  | 385          | 4800          | 11                    |
| SDD-12000-0.33-114F8    | 0.33             | 114     | 60  | M8*8 | 125 | 4.0                         | ≤25        | 1750                  | 578          | 4800          | 15                    |
| SDD-12000-0.50-114F8    | 0.50             | 114     | 73  | M8*8 | 125 | 2.7                         | ≤25        | 1750                  | 875          | 4800          | 21                    |
| SDD-12000-0.68-114F8    | 0.68             | 114     | 84  | M8*8 | 125 | 2.1                         | ≤25        | 1750                  | 1190         | 4800          | 26                    |
| SDD-12000-0.75-114F8    | 0.75             | 114     | 89  | M8*8 | 125 | 1.9                         | ≤25        | 1750                  | 1313         | 4800          | 29                    |
| SDD-12000-1.0-114F8     | 1.0              | 114     | 102 | M8*8 | 125 | 1.5                         | ≤25        | 1750                  | 1750         | 4800          | 35                    |
| Un 14000Vdc , Us 21000V |                  |         |     |      |     |                             |            |                       |              |               |                       |
| SDD-14000-0.15-130F6    | 0.15             | 130     | 45  | M6*8 | 141 | 8.3                         | ≤25        | 1890                  | 284          | 5600          | 9                     |
| SDD-14000-0.22-130F6    | 0.22             | 130     | 53  | M6*8 | 141 | 5.8                         | ≤25        | 1890                  | 416          | 5600          | 12                    |
| SDD-14000-0.33-130F8    | 0.33             | 130     | 64  | M8*8 | 141 | 4.0                         | ≤25        | 1890                  | 624          | 5600          | 17                    |
| SDD-14000-0.50-130F8    | 0.50             | 130     | 79  | M8*8 | 141 | 2.7                         | ≤25        | 1890                  | 945          | 5600          | 23                    |
| Un 20000VDC , Us 30000V |                  |         |     |      |     |                             |            |                       |              |               |                       |
| SDD-20000-0.068-130F6   | 0.068            | 130     | 45  | M6*8 | 141 | 12.0                        | ≤25        | 2320                  | 158          | 6500          | 6                     |
| SDD-20000-0.10-130F6    | 0.10             | 130     | 54  | M6*8 | 141 | 8.3                         | ≤25        | 2320                  | 232          | 6500          | 9                     |
| SDD-20000-0.15-130F8    | 0.15             | 130     | 65  | M8*8 | 141 | 5.7                         | ≤25        | 2320                  | 348          | 6500          | 12                    |
| SDD-20000-0.22-130F8    | 0.22             | 130     | 79  | M8*8 | 141 | 4.0                         | ≤25        | 2320                  | 510          | 6500          | 16                    |