

## SNUT1 IGBT吸收电容 (接线片)

## IGBT SNUBBER CAPACITOR\_\_SNUT1 (LUG TERMINALS)

### 主要特点

- 可承受高纹波电流
- 方便IGBT模块安装
- 可靠性高，使用寿命长

### Highlight Features

- Withstands high ripple current
- Fixing on IGBT module installation
- High reliability and life expectancy

### 应用领域

- 变频器
- 变流器
- 不间断电源
- 工业驱动器

### Applications

- Frequency converters
- Voltage converters
- UPS
- Industrial drives

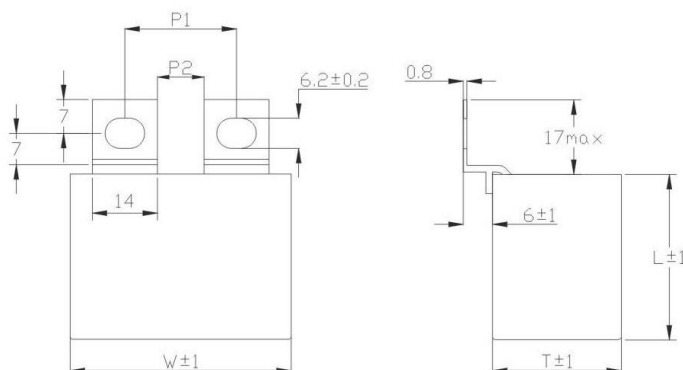


### 技术参数 Parameters

容量范围 Rated Capacitance	0.047µF ~ 10µF
额定电压 Rated Voltage	700VDC ~ 3000VDC
容量偏差 Tolerance	±10% (standard), ±5% (upon request)
电介质 Dielectric	Metallized polypropylene
介质损耗 Dissipation factor	$\tan\delta \leq 0.0005$ (1kHz, 25°C)
运行温度 Operating temperature ( $T_{min}/T_{max}$ )	-40°C ~ +105°C
时间常数 Insulation resistor (RC)	30,000s but need not exceed 30GΩ after 1 minute of electrification at 100Vdc, 25°C
预期寿命 Life expectancy	100,000 hours at $U_n$ and $T_{hs} \leq 70^\circ\text{C}$
极间耐压 Test voltage between terminals	1.5 $U_n$ / 10s at 25°C
极壳耐压 Test voltage terminal to case	3kVAC / 60s 50Hz at 25°C
结构 Construction	Dry type, with resin sealing, Non-inductive, Anti-flaming (UL94V0)
外壳与引出 Case & Leading	Plastic case, Tinned copper lugs for screw fixing or soldering
参考标准 Reference standards	IEC61071, UL94V-0

### 外观尺寸 Outline Drawing

W (mm)	P1 (mm)	P2 (mm)	P1 (mm)	P2 (mm)
42.5	23/28	11	20/25	8
57.5	23/28	11	36/41	24





常用规格选型表 General Specifications Table

Part Number	Cap(μF)	Dimension(mm)			Du/dt (V/μs)	IpeakA	Irmsmax@60°C@10kHz	ESR@10kHz(mΩ)
		L	T	H				
Un=700Vdc, Urms=380Vac, Upk=1000Vdc								
SNUT1SY700-1.2	1.2	42.5	24.5	27.5	325	390	16.0	3.1
SNUT1SY700-1.5	1.5	42.5	22.0	30.0	325	487	18.0	2.8
SNUT1SY700-2.5	2.5	42.5	28.0	37.0	325	812	22.5	2.2
SNUT1SY700-3.5	3.5	42.5	30.0	45.0	325	1134	26.5	2.0
SNUT1SY700-4.0	4.0	42.5	33.0	45.0	325	1300	32.0	1.8
SNUT1SY700-5.0	5.0	57.5	30.0	45.0	220	1100	30.5	2.1
SNUT1SY700-6.8	6.8	57.5	35.0	50.0	220	1496	32.0	2.0
SNUT1SY700-10	10.0	57.5	42.5	56.0	220	2200	33.0	1.3
Un=1000Vdc, Urms=480Vac, Upk=1000Vdc								
SNUT1SY1000-0.7	0.68	42.5	24.5	27.5	480	326.4	15.0	3.5
SNUT1SY1000-1.0	1.00	42.5	28.0	37.0	480	480	17.0	3
SNUT1SY1000-1.5	1.50	42.5	33.5	35.5	480	720	23.0	2.2
SNUT1SY1000-2.0	2.00	42.5	33.0	45.0	480	960	26.0	2
SNUT1SY1000-2.5	2.50	57.5	30.0	45.0	350	875	28.0	2.2
SNUT1SY1000-3.0	3.00	57.5	35.0	50.0	350	1050	31.0	2.1
SNUT1SY1000-4.7	4.70	57.5	42.5	56.0	350	1750	33.0	1.6
Un=1200Vdc, Urms=500Vac, Upk=1600Vdc								
SNUT1SY1200-0.33	0.33	42.5	24.5	27.5	650	210	12.0	5.0
SNUT1SY1200-0.47	0.47	42.5	24.5	27.5	650	308	14	4.2
SNUT1SY1200-0.68	0.68	42.5	33.5	35.5	650	422	18.5	3.3
SNUT1SY1200-1.0	1.00	42.5	33.5	35.5	650	650	20.5	3.0
SNUT1SY1200-1.5	1.50	42.5	33.0	45.0	650	974	25.0	2.3
SNUT1SY1200-2.0	2.00	57.5	30.0	45.0	450	950	27	2.5
SNUT1SY1200-2.5	2.50	57.5	35.0	50.0	450	1125	31.0	2.1
SNUT1SY1200-3.0	3.00	57.5	35.0	50.0	450	1350	32	2.0
SNUT1SY1200-4.7	4.70	57.5	42.5	56.0	450	2115	34.0	1.8
Un=1600Vdc, Urms=500Vac, Upk=2000Vdc								
SNUT1SY1600-0.33	0.33	42.5	24.5	27.5	850	280.5	13.0	5.0
SNUT1SY1600-0.47	0.47	42.5	33.5	35.5	850	399.5	18	4.1
SNUT1SY1600-0.68	0.68	42.5	33.5	35.5	850	578	20.0	3.1
SNUT1SY1600-1.0	1.00	57.5	30.0	45.0	850	850	22	2.5
SNUT1SY1600-1.5	1.50	57.5	35.0	50.0	650	975	28.0	2.3
SNUT1SY1600-2.0	2.00	57.5	42.5	56.0	650	1300	30	2.1
Un=2000Vdc, Urms=630Vac, Upk=2500Vdc								
SNUT1SY2000-0.1	0.10	42.5	24.5	27.5	1000	100	8.0	12.0
SNUT1SY2000-0.33	0.33	42.5	33.5	35.5	1000	330	16	4
SNUT1SY2000-0.47	0.47	42.5	33.0	45.0	1000	470	20.0	3.5
SNUT1SY2000-0.68	0.68	57.5	30.0	45.0	700	476	22	4
SNUT1SY2000-1.0	1.00	57.5	35.0	50.0	700	700	27.0	2.8
SNUT1SY2000-1.8	1.80	57.5	42.5	56.0	700	1260	31	2
Un=3000Vdc, Urms=750Vac, Upk=3500Vdc								
SNUT1SY3000-0.047	0.047	42.5	24.5	27.5	1500	70.5	7.0	17.0
SNUT1SY3000-0.10	0.10	42.5	33.5	35.5	1500	150	12	9
SNUT1SY3000-0.22	0.22	42.5	33.0	45.0	1500	330	16.0	3.0
SNUT1SY3000-0.33	0.33	57.5	30.0	45.0	800	264	21	3.6
SNUT1SY3000-0.47	0.47	57.5	35.0	50.0	800	376	22.0	3.0

注：特殊规格，可按客户需求定制。

Note: Customized products are available upon request.