

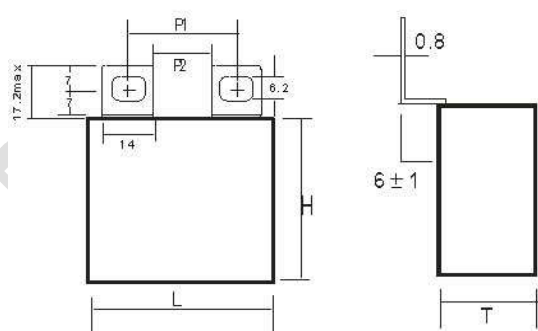
MKP81 IGBT 吸收电容器

MKP81 Snubber Capacitor For IGBT

■ 特点

- 塑料外壳封装，阻燃环氧树脂灌注。
- 广泛应用于高压高频脉冲电路中。
- 损耗小，内部温升小。
- 优异的阻燃性能。
- 适合作为 IGBT 的吸收电容。

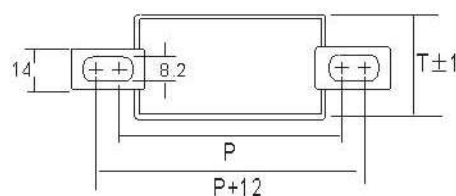
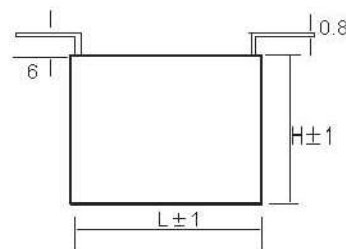
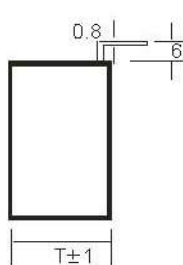
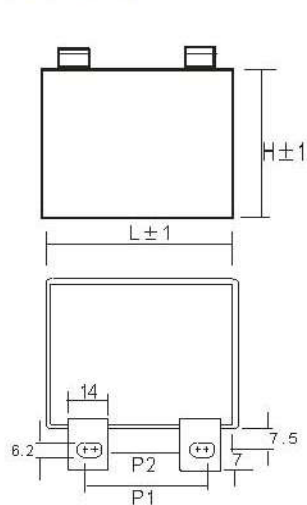
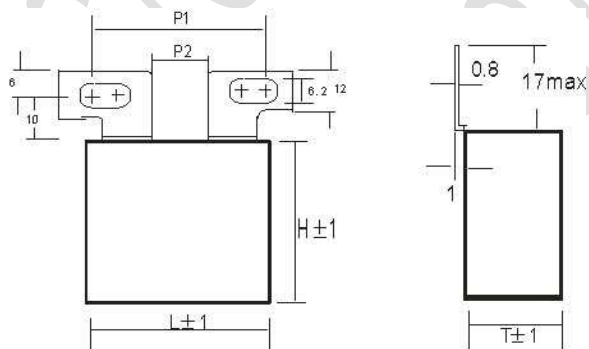
■ 外形图



■ Features

- Plastic, Sealed with epoxy resin
- Widely used in high voltage, high frequency circuit
- Low loss and small inherent temperature rise
- Excellent active and passive flame resistant abilities
- Especially designed as snubber capacitor for IGBT

■ Outline Drawing



■ 技术资料 Technical Data

引用标准 Reference Standard	GB/T17702, IEC61071
气候类别 Climatic Category	40/85/56
工作温度 Operating temperature range	-40°C ~ 85°C
额定温度 Rated Temperature	85°C
额定电压 Rated Voltage	630V.DC ~ 3000V.DC
电容量范围 Capacitance Range	0.001 ~ 4.7 μ F
电容量偏差 Capacitance Tolerance	J($\pm 5\%$)、K($\pm 10\%$)、M ($\pm 20\%$)
损耗角正切 Dissipation Factor	$\leq 0.0005(1\text{kHz}, 20^\circ\text{C})$
耐电压 Voltage Proof	1.6Ur(10s)
绝缘电阻 Insulation Resistance	CR $\leq 0.33\mu\text{F}$, $\geq 100000\text{M}\Omega$; CR $> 0.33\mu\text{F}$, $\geq 30000\text{s}$

■ 规格 Specifications

630VDC/700VDC(420VAC)								
Cn(uF)	W(±1)	T(±1)	H(±1)	ESR@100KHZ (mΩ)	Ls(nH)	Dv/dt(V/uS)	Ipk(A)	Irms@70°C
0.68	42.5	24.5	27.5	5.0	25	480	326	13
1.0	42.5	24.5	27.5	5.0	24	450	450	14
1.5	42.5	33.5	35.5	4.5	25	430	645	17
2.5	42.5	33	45	4.0	23	400	1000	18
4.7	57.5	35	50	3.5	28	280	1316	23
6.8	57.5	42.5	56	2.5	32	220	1496	24
8.0	57.5	42.5	56	2.5	30	200	1600	25
1000VDC(500VAC)								
Cn(uF)	W(±1)	T(±1)	H(±1)	ESR@100KHZ (mΩ)	Ls(nH)	Dv/dt(V/uS)	Ipk(A)	Irms@70°C
0.68	42.5	24.5	27.5	5.0	25	800	544	15
1.0	42.5	33.5	35.5	4.5	24	800	800	16
1.5	42.5	33	45	4.5	25	700	1050	16
2.5	57.5	30	45	4.0	26	600	1500	20
4.7	57.5	42.5	56	4.0	27	420	1974	22
5.6	57.5	42.5	56	4.0	28	400	2240	23
2000VDC(700VAC)								
Cn(uF)	W(±1)	T(±1)	H(±1)	ESR@100KHZ (mΩ)	Ls(nH)	Dv/dt(V/uS)	Ipk(A)	Irms@70°C
0.33	42.5	24.5	27.5	6.0	25	1300	429	16
0.47	42.5	33.5	35.5	6.0	24	1300	611	16
0.68	42.5	33.5	35.5	3.5	23	1300	884	18
1.0	42.5	33	45	3.5	22	1200	1200	20
1.5	57.5	33	45	3.5	22	1200	1800	21
3000VDC(750VAC)								
Cn(uF)	W(±1)	T(±1)	H(±1)	ESR@100KHZ (mΩ)	Ls(nH)	Dv/dt(V/uS)	Ipk(A)	Irms@70°C
0.15	42.5	33	45	7.0	28	2500	375	16
0.22	42.5	33	45	6.5	27	2200	484	17
0.33	57.5	35	50	4.5	25	1800	495	18
0.47	57.5	38	54	4.0	24	1600	752	19
0.68	57.5	42.5	56	3.5	23	1500	1020	19