

产品介绍/Introduction

采用金属化聚丙烯薄膜进行无感式卷绕，特殊喷金工艺，铝外壳或不锈钢外壳封装，阻燃环氧树脂灌封，镀锡铜线、铜插片或铜螺母引出。具有体积小，容量大，过电流能力好，温升低，杂散电感小等优点。替代铝电解电容器，广泛应用于风能、光伏太阳能、SVG、变频器等逆变系统中作吸收、直流支撑组合用。

Non-inductive winding with metallized polypropylene film, special metal spray, stainless steel or aluminum shell encapsulation, flame retardant epoxy potting, tin plated copper wire, copper nut terminal. small size, large capacitance, good over-current capability, low temperature rise, small stray inductance. Instead of aluminum electrolytic capacitor, widely used in wind energy, photovoltaic solar energy, SVG, frequency converter and inverter for absorption and dc-link in the system.

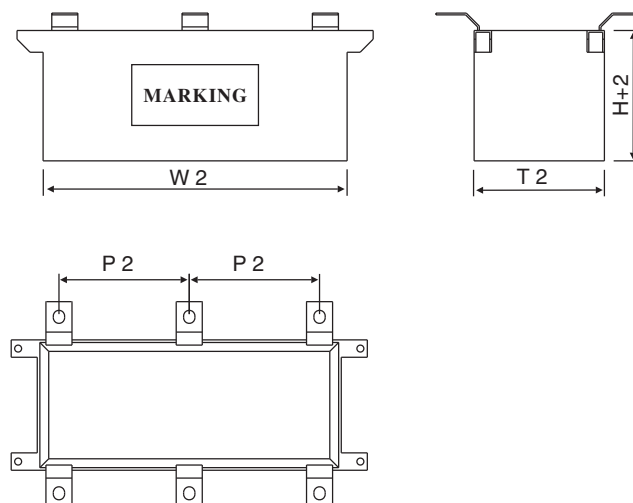


性能指标/Technical data

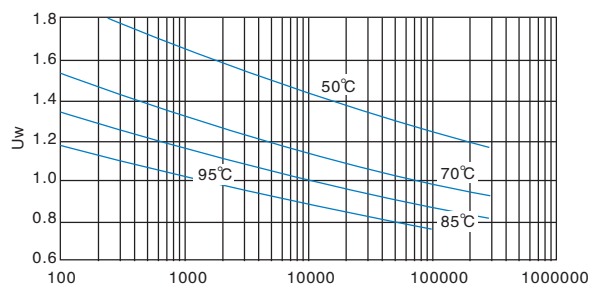
引用标准 Reference	GB/T17702, IEC61071
容量范围 Capacitance	200~3000 μ F
容量偏差 Capacitance Tol.	5% (J), 10%(K)
电压范围 Voltage	600V.DC~2200V.DC
极间耐压 U_{T-T}	1.5Un/10s 1.1Un (30% of on-load-dur.)
过电压 Over Voltage	1.15Un (30min/day) 1.2Un (5min/day) 1.3Un (1min/day)
介质损耗角 $\text{tg } \delta_o$	$\text{tg } \delta_o \leq 0.0002$
绝缘电阻 R_iXC_n	$\geq 5000s (20^\circ\text{C } 5^\circ\text{C } 100V.DC \text{ } 60s)$
耐电流冲击能力 dv/dt	$> 8V/\mu s$
气候类别 Climatic Category	40/70/56
工作温度范围 Operating Temp.	$-40^\circ\text{C} \sim 70^\circ\text{C} (\theta_{h.s} \leq 85^\circ\text{C})$
储存温度范围 Storage Temp.	$-40^\circ\text{C} \sim 85^\circ\text{C}$
最大电极扭矩 Torque of terminals	M12:15.5N.m
最大安装扭矩 Torque of Installation	M8:10N.m M10:15N.m M12:20N.m
使用海拔 Max.Altitude	$< 2000m$
预期寿命 Lifetime Expectancy	100000h ($\theta_{h.s} = 70^\circ\text{C}$)
封装形式 Encapsulation	铝外壳或不锈钢外壳，黑色环氧

注：海拔使用高度超过2000m，应该考虑海拔对冷却和绝缘的影响。

外型及尺寸/Outline drawing



预期使用寿命/Lifetime expectancy for MKP-SG



预期使用寿命/Lifetime Expectancy (hours)

工作电压/Uw: permanent working or operating DC-voltage

典型线路图/Typical circuit

