

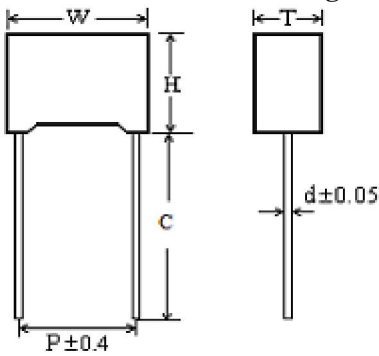
C35

MKP25 series

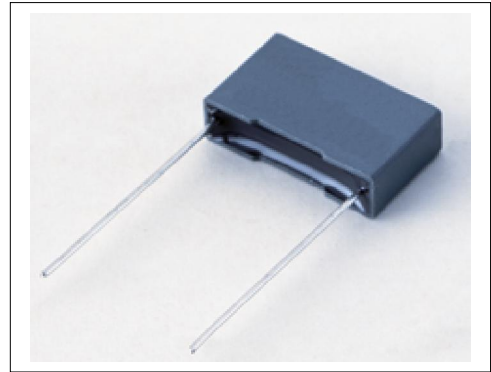
金属化聚丙烯膜电容器

Metallized polypropylene film capacitor(Box-type)

外形图 Outline Drawing



$W \pm 0.4$ $H \pm 0.4$ $T \pm 0.4$



特点

金属化聚丙烯结构
良好的电性能
塑料外壳 (UL94 V-0), 阻燃环氧填充

Features

metallized polypropylene structure.
excellent electric property.
Plastic case (UL94 V-0), Epoxy resin sealing.

主要用途

用于开关电源、电子镇流器和变频器等中间电路直流滤波 (如: DC-Link PFC等)

Typical application

As intermediate circuit capacitors for SMPS, Electronic Ballast, inverter (i.e. DC-link, DC-filter and P.F.C).

技术要求 Specifications

引用标准 Reference Standard	GB/T 10190(IEC 60384-16)
气候类别 Climatic Category	40/105/56
额定温度 Rated Temperature	85
工作温度范围 Operating Temperature Range	-40 ~105 (+85 to +105 : decreasing factor 1.25% per for V_R)
额定电压 Rated Voltage	450Vdc, 520Vdc, 630Vdc
电容量范围 Capacitance Range	0.027 μ F~6.8 μ F
电容量偏差 Capacitance Tolerance	$\pm 5\%$ (J), $\pm 10\%$ (K), $\pm 20\%$ (M)
耐电压 Voltage Proof	1.60 U_R (5s)
损耗角正切 Dissipation Factor	10×10^{-4} (1kHz, 20)
绝缘电阻 Insulation Resistance	$C \leq 0.33\mu F, \geq 1 \times 10^5 M\Omega$ $C > 0.33\mu F, \geq 30\ 000s$ (20 , 100V, 1min)



产品编码说明 Part number system

18位产品代码如下：

The 18 digits part number is formed as follow:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
C	3	5															

第 1~3 位	薄膜电容器系列代码 C35=MKP25	Digit 1 to 3	Series code of film capacitor C35=MKP25
第 4~5 位	直流额定电压 2S=450V 2T=520V 2J=630V	Digit 4 to 5	DC rated voltage: 2S=450V 2T=520V 2J=630V
第 6~8 位	标称容量 举例：103=10 × 10 ³ pF=0.01μF	Digit 6 to 8	Rated capacitance value for example: 103=10 × 10 ³ pF=0.01μF
第 9 位	容量偏差 J= ± 5%, K= ± 10%, M= ± 20%	Digit 9	Capacitance tolerance J= ± 5%, K= ± 10%, M= ± 20%
第 10 位	引线脚距 P 4=10.0mm 6=15.0mm 9=22.5mm B=27.5mm	Digit 10	Pitch 4=10.0mm 6=15.0mm 9=22.5mm B=27.5mm
第 11 位	内部特征码	Digit 11	Internal use
第 12~15 位	引线加工和包装代码	Digit 12 to 15	Lead form and packaging code
第 16~18 位	内部特征码	Digit 16 to 18	Internal use

Table 1 引线加工和包装代码 lead form and packaging code

第 12 位 Digit 12		第 13 位 Digit 13		第 14 位 Digit 14		第 15 位 Digit 15	
代码 Code	说明 explanation	代码 Code	说明 explanation	代码 Code	说明 explanation	代码 Code	说明 explanation
A	弹带包装 ammo-pack	4 6	F=10.0mm F=15.0mm	0	表示直脚 straight	5	P3=25.4mm;H=18.5mm (For pitch=10.0/15.0mm) (Detail parameter refer to catalogue pag15)
C	直脚 ststraight lead “C” in the figure above	代码 Code	说明 explanation		0	引线长度偏差 ± 0.5mm 或标准长度 Length tolerance ± 0.5mm Or standard length	
		00	标准的引线长度(18mm~26mm) standard lead length				
		45	引线长度 4.5mm lead length 4.5mm				



C35

MKP25 series

外形尺寸 Dimensions(mm)

450 Vdc							520Vdc							630Vdc						
容量 (μF)	W	H	T	P	d	产品代码 Part number	容量 (μF)	W	H	T	P	d	产品代码 Part number	容量 (μF)	W	H	T	P	d	产品代码 Part number
0.068	13.0	9.0	4.0	10.0	0.6	C352S683-40****+++	0.047	13.0	9.0	4.0	10.0	0.6	C352T473-40****+++	0.027	13.0	9.0	4.0	10.0	0.6	C352J273-40****+++
0.082	13.0	9.0	4.0	10.0	0.6	C352S823-40****+++	0.056	13.0	9.0	4.0	10.0	0.6	C352T563-40****+++	0.033	13.0	9.0	4.0	10.0	0.6	C352J333-40****+++
0.10	13.0	11.0	5.0	10.0	0.6	C352S104-40****+++	0.068	13.0	9.0	4.0	10.0	0.6	C352T683-40****+++	0.039	13.0	11.0	5.0	10.0	0.6	C352J393-40****+++
0.12	13.0	11.0	5.0	10.0	0.6	C352S124-40****+++	0.082	13.0	11.0	5.0	10.0	0.6	C352T823-40****+++	0.047	13.0	11.0	5.0	10.0	0.6	C352J473-40****+++
0.15	13.0	12.0	6.0	10.0	0.6	C352S154-40****+++	0.1	13.0	11.0	5.0	10.0	0.6	C352T104-40****+++	0.056	13.0	11.0	5.0	10.0	0.6	C352J563-40****+++
0.18	13.0	12.0	6.0	10.0	0.6	C352S184-40****+++	0.12	13.0	12.0	6.0	10.0	0.6	C352T124-40****+++	0.068	13.0	12.0	6.0	10.0	0.6	C352J683-40****+++
0.10	17.5	11.0	5.0	15.0	0.8	C352S104-60****+++	0.15	13.0	12.0	6.0	10.0	0.6	C352T154-40****+++	0.082	13.0	12.0	6.0	10.0	0.6	C352J823-40****+++
0.12	17.5	11.0	5.0	15.0	0.8	C352S124-60****+++	0.033	17.5	11.0	5.0	15.0	0.8	C352T333-60****+++	0.10	13.0	12.0	6.0	10.0	0.6	C352J104-40****+++
0.15	17.5	11.0	5.0	15.0	0.8	C352S154-60****+++	0.039	17.5	11.0	5.0	15.0	0.8	C352T393-60****+++	0.068	17.5	11.0	5.0	15.0	0.8	C352J683-60****+++
0.18	17.5	11.0	5.0	15.0	0.8	C352S184-60****+++	0.047	17.5	11.0	5.0	15.0	0.8	C352T473-60****+++	0.082	17.5	11.0	5.0	15.0	0.8	C352J823-60****+++
0.22	17.5	11.0	5.0	15.0	0.8	C352S224-60****+++	0.056	17.5	11.0	5.0	15.0	0.8	C352T563-60****+++	0.10	17.5	11.0	5.0	15.0	0.8	C352J104-60****+++
0.27	17.5	12.0	6.0	15.0	0.8	C352S274-60****+++	0.068	17.5	11.0	5.0	15.0	0.8	C352T683-60****+++	0.12	17.5	11.0	5.0	15.0	0.8	C352J124-60****+++
0.33	17.5	12.0	6.0	15.0	0.8	C352S334-60****+++	0.082	17.5	11.0	5.0	15.0	0.8	C352T823-60****+++	0.15	17.5	12.0	6.0	15.0	0.8	C352J154-60****+++
0.39	17.5	13.5	7.5	15.0	0.8	C352S394-60****+++	0.1	17.5	11.0	5.0	15.0	0.8	C352T104-60****+++	0.18	17.5	12.0	6.0	15.0	0.8	C352J184-60****+++
0.47	17.5	13.5	7.5	15.0	0.8	C352S474-60****+++	0.12	17.5	11.0	5.0	15.0	0.8	C352T124-60****+++	0.22	17.5	13.5	7.5	15.0	0.8	C352J224-60****+++
0.56	17.5	13.5	7.5	15.0	0.8	C352S564-60****+++	0.15	17.5	11.0	5.0	15.0	0.8	C352T154-60****+++	0.27	17.5	13.5	7.5	15.0	0.8	C352J274-60****+++
0.68	17.5	16.0	10.0	15.0	0.8	C352S684-60****+++	0.18	17.5	11.0	5.0	15.0	0.8	C352T184-60****+++	0.33	17.5	14.5	8.5	15.0	0.8	C352J334-60****+++
0.82	17.5	16.0	10.0	15.0	0.8	C352S824-60****+++	0.22	17.5	12.0	6.0	15.0	0.8	C352T224-60****+++	0.39	17.5	16.0	10.0	15.0	0.8	C352J394-60****+++
1.0	17.5	19.0	11.0	15.0	0.8	C352S105-60****+++	0.27	17.5	12.0	6.0	15.0	0.8	C352T274-60****+++	0.47	17.5	16.0	10.0	15.0	0.8	C352J474-60****+++
0.27	26.5	15.0	6.0	22.5	0.8	C352S274-90****+++	0.33	17.5	13.5	7.5	15.0	0.8	C352T334-60****+++	0.56	17.5	19.0	11.0	15.0	0.8	C352J564-60****+++
0.33	26.5	15.0	6.0	22.5	0.8	C352S334-90****+++	0.39	17.5	13.5	7.5	15.0	0.8	C352T394-60****+++	0.68	17.5	19.0	11.0	15.0	0.8	C352J684-60****+++
0.39	26.5	15.0	6.0	22.5	0.8	C352S394-90****+++	0.47	17.5	14.5	8.5	15.0	0.8	C352T474-60****+++	0.15	26.5	15.0	6.0	22.5	0.8	C352J154-90****+++
0.47	26.5	15.0	6.0	22.5	0.8	C352S474-90****+++	0.56	17.5	16.0	10.0	15.0	0.8	C352T564-60****+++	0.18	26.5	15.0	6.0	22.5	0.8	C352J184-90****+++
0.56	26.5	16.0	7.0	22.5	0.8	C352S564-90****+++	0.68	17.5	16.0	10.0	15.0	0.8	C352T684-60****+++	0.22	26.5	15.0	6.0	22.5	0.8	C352J224-90****+++
0.68	26.5	16.0	7.0	22.5	0.8	C352S684-90****+++	0.82	17.5	19.0	11.0	15.0	0.8	C352T824-60****+++	0.27	26.5	15.0	6.0	22.5	0.8	C352J274-90****+++
0.82	26.5	16.0	7.0	22.5	0.8	C352S824-90****+++	1.0	17.5	19.0	11.0	15.0	0.8	C352T105-60****+++	0.33	26.5	15.0	6.0	22.5	0.8	C352J334-90****+++
1.0	26.5	17.0	8.5	22.5	0.8	C352S105-90****+++	0.18	26.5	15.0	6.0	22.5	0.8	C352T184-90****+++	0.39	26.5	16.0	7.0	22.5	0.8	C352J394-90****+++

Note: 1. “-”表示容量偏差。“-”=capacitance tolerance code, M= ± 20%,K= ± 10%,J= ± 5%,

2. “****”表示引线加工和包装代码(见 table 1)。“****”=lead form and packing code (refer to table 1).



续 Continued

450 Vdc							520Vdc							630Vdc							
容量 (μF)	W	H	T	P	d	产品代码 Part number	容量 (μF)	W	H	T	P	d	产品代码 Part number	容量 (μF)	W	H	T	P	d	产品代码 Part number	
1.2	26.5	18.5	10.0	22.5	0.8	C352S125-90****+++	0.22	26.5	15.0	6.0	22.5	0.8	C352T224-90****+++	0.47	26.5	16.0	7.0	22.5	0.8	C352J474-90****+++	
1.5	26.5	18.5	10.0	22.5	0.8	C352S155-90****+++	0.27	26.5	15.0	6.0	22.5	0.8	C352T274-90****+++	0.56	26.5	17.0	8.5	22.5	0.8	C352J564-90****+++	
1.8	26.5	22.0	12.0	22.5	0.8	C352S185-90****+++	0.33	26.5	15.0	6.0	22.5	0.8	C352T334-90****+++	0.68	26.5	17.0	8.5	22.5	0.8	C352J684-90****+++	
0.68	32.0	18.0	9.0	27.5	0.8	C352S684-B0****+++	0.39	26.5	15.0	6.0	22.5	0.8	C352T394-90****+++	0.82	26.5	18.5	10.0	22.5	0.8	C352J824-90****+++	
0.82	32.0	18.0	9.0	27.5	0.8	C352S824-B0****+++	0.47	26.5	15.0	6.0	22.5	0.8	C352T474-90****+++	1.0	26.5	18.5	10.0	22.5	0.8	C352J105-90****+++	
1.0	32.0	18.0	9.0	27.5	0.8	C352S105-B0****+++	0.56	26.5	16.0	7.0	22.5	0.8	C352T564-90****+++	1.2	26.5	22.0	12.0	22.5	0.8	C352J125-90****+++	
1.2	32.0	18.0	9.0	27.5	0.8	C352S125-B0****+++	0.68	26.5	16.0	7.0	22.5	0.8	C352T684-90****+++	0.27	32.0	18.0	9.0	27.5	0.8	C352J274-B0****+++	
1.5	32.0	18.0	9.0	27.5	0.8	C352S155-B0****+++	0.82	26.5	17.0	8.5	22.5	0.8	C352T824-90****+++	0.33	32.0	18.0	9.0	27.5	0.8	C352J334-B0****+++	
1.8	32.0	20.0	11.0	27.5	0.8	C352S185-B0****+++	1.0	26.5	18.5	10.0	22.5	0.8	C352T105-90****+++	0.39	32.0	18.0	9.0	27.5	0.8	C352J394-B0****+++	
2.2	32.0	20.0	11.0	27.5	0.8	C352S225-B0****+++	1.2	26.5	18.5	10.0	22.5	0.8	C352T125-90****+++	0.47	32.0	18.0	9.0	27.5	0.8	C352J474-B0****+++	
2.7	32.0	22.0	13.0	27.5	0.8	C352S275-B0****+++	1.5	26.5	22.0	12.0	22.5	0.8	C352T155-90****+++	0.56	32.0	18.0	9.0	27.5	0.8	C352J564-B0****+++	
3.3	32.0	22.0	13.0	27.5	0.8	C352S335-B0****+++	1.8	26.5	22.0	12.0	22.5	0.8	C352T185-90****+++	0.68	32.0	18.0	9.0	27.5	0.8	C352J684-B0****+++	
3.9	32.0	24.5	15.0	27.5	0.8	C352S395-B0****+++	0.27	32.0	18.0	9.0	27.5	0.8	C352T274-B0****+++	0.82	32.0	20.0	11.0	27.5	0.8	C352J824-B0****+++	
4.7	32.0	33.0	18.0	27.5	0.8	C352S475-B0****+++	0.33	32.0	18.0	9.0	27.5	0.8	C352T334-B0****+++	1.0	32.0	20.0	11.0	27.5	0.8	C352J105-B0****+++	
5.6	32.0	33.0	18.0	27.5	0.8	C352S565-B0****+++	0.39	32.0	18.0	9.0	27.5	0.8	C352T394-B0****+++	1.2	32.0	20.0	11.0	27.5	0.8	C352J125-B0****+++	
6.8	32.0	33.0	18.0	27.5	0.8	C352S685-B0****+++	0.47	32.0	18.0	9.0	27.5	0.8	C352T474-B0****+++	1.5	32.0	22.0	13.0	27.5	0.8	C352J155-B0****+++	
							0.56	32.0	18.0	9.0	27.5	0.8	C352T564-B0****+++	1.8	32.0	22.0	13.0	27.5	0.8	C352J185-B0****+++	
							0.68	32.0	18.0	9.0	27.5	0.8	C352T684-B0****+++	2.2	32.0	28.0	14.0	27.5	0.8	C352J225-B0****+++	
							0.82	32.0	18.0	9.0	27.5	0.8	C352T824-B0****+++	2.7	32.0	33.0	18.0	27.5	0.8	C352J275-B0****+++	
							1.0	32.0	18.0	9.0	27.5	0.8	C352T105-B0****+++	3.3	32.0	33.0	18.0	27.5	0.8	C352J335-B0****+++	
							1.2	32.0	18.0	9.0	27.5	0.8	C352T125-B0****+++	3.9	32.0	33.0	18.0	27.5	0.8	C352J395-B0****+++	
							1.5	32.0	20.0	11.0	27.5	0.8	C352T155-B0****+++								
							1.8	32.0	20.0	11.0	27.5	0.8	C352T185-B0****+++								
							2.2	32.0	22.0	13.0	27.5	0.8	C352T225-B0****+++								
							2.7	32.0	24.5	15.0	27.5	0.8	C352T275-B0****+++								
							3.3	32.0	28.0	14.0	27.5	0.8	C352T335-B0****+++								
							3.9	32.0	28.0	14.0	27.5	0.8	C352T395-B0****+++								
							4.7	32.0	33.0	18.0	27.5	0.8	C352T475-B0****+++								
							5.6	32.0	33.0	18.0	27.5	0.8	C352T565-B0****+++								
							6.8	32.0	33.0	18.0	27.5	0.8	C352T685-B0****+++								

Note: 1. “-”表示容量偏差。“-”=capacitance tolerance code, M= ± 20%,K= ± 10%,J= ± 5%,
2. “*****”表示引线加工和包装代码 (见 table 1), “*****”=lead form and packing code (refer to table 1).