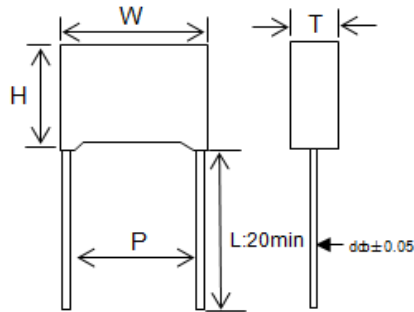


金属化聚丙烯膜抗干扰电容器 (X1 类)

Metallized polypropylene film interference suppression capacitor (class X1)

■ 外形图 Outline Drawing



■ 特点

- 金属聚丙烯膜
- 体积小
- 能承受过压冲击
- 优异的阻燃性能
- 广泛用于电源跨线电路等抗干扰场合

■ Features

- Metallized polypropylene structure
- Compact size
- Withstanding overvoltage stressing
- Excellent active and passive flame resistant abilities
- Widely used in across-the-line, interference suppression circuit, etc.

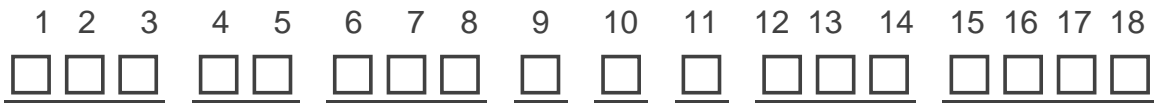
■ 技术要求 Specifications

电容器类别 class	X1 类		
气候类别/阻燃等级 Climatic Category/Passive Flammability Class	40/110/56/B		
工作温度范围 Operating temperature	-40°C ~ +110°C		
额定电压 Rated Voltage	310Vac / 330Vac / 440Vac / 480Vac, 50/60Hz		
最大连续交流电压 Maximum continuous AC voltage	525Vac, 50/60Hz		
最大连续直流电压 Maximum continuous DC voltage	1000Vdc		
电容量范围 Capacitance Range	0.0010μF~10.0μF		
电容量偏差 Capacitance Tolerance	±10% (K), ±20% (M)		
耐电压 Voltage Proof	引线之间 Between Terminals:	4.3UR (dc), 2s	
	极壳之间 Between Terminals To Case:	2 560Vac (1min)	
损耗角正切 Dissipation Factor	0.0010μF < C _N ≤ 0.47μF	≤ 25 × 10 ⁻⁴ (1kHz, 20°C)	≤ 25 × 10 ⁻⁴ (10kHz, 20°C)
	0.47μF < C _N ≤ 1.0μF	≤ 20 × 10 ⁻⁴ (1kHz, 20°C)	≤ 40 × 10 ⁻⁴ (10kHz, 20°C)
	1.0μF < C _N	≤ 30 × 10 ⁻⁴ (1kHz, 20°C)	-----
绝缘电阻 Insulation Resistance	R ≥ 15 000MΩ , RC _N ≥ 5 000s,	C _N ≤ 0.33μF C _N > 0.33μF	(20°C, 100V, 1min)

产品代码说明 Part number system

■ 18 位产品代码说明如下:

The 18 digits part number is formed as follow:



W 4 5

第 1~3 位: 型号代码

W45=MKP65

第 4~5 位: 交流额定电压

Q3=310V R1=330V

S1=440V S3=480V

第 6~8 位: 标称容量

举例 : 104 = 10×10^4 PF = 0.1 μ f

第 9 位: 容量偏差

K=±10%, M=±20%

第 10 位: 引线脚距

J=7.5mm K=10mm M=15mm

P=22mm S=27mm X=37mm

4=52.5mm

第 11 位: 引线线径

6= CP 0.6mm 8= CP 0.8mm

C=CP 1.0mm D=CP 1.2mm

第 12 位: 引线加工和包装代码

L= 直脚 K= 引线成型

T= 弹带包装

第 13~18 位: 内部特征码

Digit 1 to 3: Series code

W45=MKP65

Digit 4 to 5: AC rated voltage

Q3=310V R1=330V

S1=440V S3=480V

Digit 6 to 8: Rated capacitance

For example: 104 = 10×10^4 PF = 0.1 μ f

Digit 9: Capacitance tolerance

K=±10%, M=±20%

Digit 10: Pitch

J=7.5mm K=10mm M=15mm

P=22mm S=27mm X=37mm

4=52.5mm

Digit 11: Lead Wire diameter

6= CP 0.6mm 8= CP 0.8mm

C=CP 1.0mm D=CP 1.2mm

Digit 12: Lead form and packaging code

L= straight lead K= Lead kinked

T= ammo-pack

Digit 13 to 18: Internal use

■ 外形尺寸 Dimensions (mm)

310Vac / 330Vac/440Vac / 480Vac #						
Cn (μF)	W max	H max	T max	P	d	Part number
0.0010	10.5	9.0	4.0	7.5	0.6	W45S1102-J6*****
0.0012	10.5	9.0	4.0	7.5	0.6	W45S1122-J6*****
0.0015	10.5	9.0	4.0	7.5	0.6	W45S1152-J6*****
0.0018	10.5	9.0	4.0	7.5	0.6	W45S1182-J6*****
0.0022	10.5	9.0	4.0	7.5	0.6	W45S1222-J6*****
0.0027	10.5	9.0	4.0	7.5	0.6	W45S1272-J6*****
0.0033	10.5	9.0	4.0	7.5	0.6	W45S1332-J6*****
0.0039	10.5	9.0	4.0	7.5	0.6	W45S1392-J6*****
0.0047	10.5	9.0	4.0	7.5	0.6	W45S1472-J6*****
0.0056	10.5	9.0	4.0	7.5	0.6	W45S1562-J6*****
0.0068	10.5	11.0	5.0	7.5	0.6	W45S1682-J6*****
0.0082	10.5	11.0	5.0	7.5	0.6	W45S1822-J6*****
0.010	10.5	11.0	5.0	7.5	0.6	W45S1103-J6*****
0.012	10.5	12.0	6.0	7.5	0.6	W45S1123-J6*****
0.015M	10.5	12.0	6.0	7.5	0.6	W45S1153-J6*****
0.0047	13.0	9.0	4.0	10.0	0.6	W45S1472-K6*****
0.0056	13.0	9.0	4.0	10.0	0.6	W45S1562-K6*****
0.0068	13.0	9.0	4.0	10.0	0.6	W45S1682-K6*****
0.0082	13.0	9.0	4.0	10.0	0.6	W45S1822-K6*****
0.010	13.0	12.0	6.0	10.0	0.6	W45S1103-K6*****
0.012	13.0	11.0	5.0	10.0	0.6	W45S1123-K6*****
0.015	13.0	11.0	5.0	10.0	0.6	W45S1153-K6*****
0.018	13.0	12.0	6.0	10.0	0.6	W45S1183-K6*****
0.022	13.0	12.0	6.0	10.0	0.6	W45S1223-K6*****
0.027	13.0	13.0	7.0	10.0	0.6	W45S1273-K6*****
0.033	13.0	13.0	7.0	10.0	0.6	W45S1333-K6*****
0.039	13.0	14.0	8.0	10.0	0.6	W45S1393-K6*****
0.047M	13.0	14.0	8.0	10.0	0.6	W45S1473-K6*****
0.047K	13.0	14.0	8.0	10.0	0.6	W45S1473-K6*****
0.056	13.0	16.5	9.0	10.0	0.6	W45S1563-K6*****
0.010	18.0	11.0	5.0	15.0	0.6	W45S1103-M6*****
0.012	18.0	11.0	5.0	15.0	0.6	W45S1123-M6*****
0.015	18.0	11.0	5.0	15.0	0.6	W45S1153-M6*****
0.018	18.0	11.0	5.0	15.0	0.6	W45S1183-M6*****
0.022	18.0	11.0	5.0	15.0	0.6	W45S1223-M6*****
0.027	18.0	11.0	5.0	15.0	0.6	W45S1273-M6*****
0.033	18.0	11.0	5.0	15.0	0.6	W45S1333-M6*****
0.039	18.0	12.0	6.0	15.0	0.6	W45S1393-M6*****
0.047	18.0	12.0	6.0	15.0	0.6	W45S1473-M6*****
0.056M	18.0	12.0	6.0	15.0	0.6	W45S1563-M6*****
0.056K	18.0	13.0	7.0	15.0	0.6	W45S1563-M6*****
0.068	18.0	13.5	7.5	15.0	0.8	W45S1683-M8*****
0.082	18.0	14.0	8.0	15.0	0.6	W45S1823-M6*****
0.10M	18.0	14.0	8.0	15.0	0.6	W45S1104-M6*****
0.10	18.0	14.5	8.4	15.0	0.6	W45S1104-M6*****
0.12	18.0	16.0	10.3	15.0	0.8	W45S1124-M8*****
0.15M	18.0	16.0	10.3	15.0	0.8	W45S1154-M8*****
0.15K	18.0	19.0	10.8	15.0	0.8	W45S1154-M8*****

310Vac / 330Vac/440Vac / 480Vac #						
Cn (μF)	W max	H max	T max	P	d	Part number
0.18	18.0	19.0	10.8	15.0	0.8	W45S1184-M8*****
0.068	26.5	15.0	6.0	22.0	0.8	W45S1683-P8*****
0.082	26.5	15.0	6.0	22.0	0.8	W45S1823-P8*****
0.10	26.5	15.0	6.0	22.0	0.8	W45S1104-P8*****
0.12	26.5	15.0	6.0	22.0	0.8	W45S1124-P8*****
0.15	26.5	16.0	7.0	22.0	0.8	W45S1154-P8*****
0.18	26.5	17.0	8.5	22.0	0.8	W45S1184-P8*****
0.22	26.5	17.0	8.5	22.0	0.8	W45S1224-P8*****
0.27	26.5	19.0	10.0	22.0	0.8	W45S1274-P8*****
0.33	26.0	20.0	11.0	22.0	0.8	W45S1334-P8*****
0.39	26.5	20.0	11.0	22.0	0.8	W45S1394-P8*****
0.47M	26.0	22.0	12.0	22.0	0.8	W45S1474-P8*****
0.47K	26.5	23.0	13.5	22.0	0.8	W45S1474-P8*****
0.56M	26.5	23.0	13.5	22.0	0.8	W45S1564-P8*****
0.56K	26.5	24.5	15.5	22.0	0.8	W45S1564-P8*****
0.68M	26.5	24.5	15.5	22.0	0.8	W45S1684-P8*****
0.68M	32.0	23.0	13.0	27.0	0.8	W45S1684-S8*****
0.68K	32.0	24.5	15.0	27.0	0.8	W45S1684-S8*****
0.82M	32.0	25.0	13.0	27.0	0.8	W45S1824-S8*****
0.82K	32.0	28.0	14.0	27.0	0.8	W45S1824-S8*****
1.0	32.0	28.0	17.0	27.0	0.8	W45S1105-S8*****
1.2M	32.0	28.0	17.0	27.0	0.8	W45S1125-S8*****
1.2K	32.0	33.0	18.0	27.0	0.8	W45S1125-S8*****
1.5	32.0	33.0	18.0	27.0	0.8	W45S1155-S8*****
1.8	32.0	37.0	22.0	27.0	0.8	W45S1185-S8*****
2.2M	32.0	37.0	22.0	27.0	0.8	W45S1225-S8*****
0.33	41.0	22.0	11.0	37.0	1.0	W45S1334-XC*****
0.39	41.0	22.0	11.0	37.0	1.0	W45S1394-XC*****
0.47	41.0	22.0	11.0	37.0	1.0	W45S1474-XC*****
0.56	41.0	22.0	11.0	37.0	1.0	W45S1564-XC*****
0.68	41.0	22.0	11.0	37.0	1.0	W45S1684-XC*****
0.82M	41.0	22.0	11.0	37.0	1.0	W45S1824-XC*****
0.82K	41.0	24.0	13.0	37.0	1.0	W45S1824-XC*****
1.0	41.0	24.0	13.0	37.0	1.0	W45S1105-XC*****
1.2	41.0	26.0	15.0	37.0	1.0	W45S1125-XC*****
1.2	42.0	28.0	14.0	37.0	1.0	W45S1125-XC*****
1.5M	41.0	26.0	15.0	37.0	1.0	W45S1155-XC*****
1.5M	42.0	28.0	14.0	37.0	1.0	W45S1155-XC*****
1.5K	41.0	30.0	16.0	37.0	1.0	W45S1155-XC*****
1.8M	41.0	30.0	16.0	37.0	1.0	W45S1185-XC*****
1.8K	41.0	32.0	17.0	37.0	1.0	W45S1185-XC*****
2.2M	41.0	32.0	17.0	37.0	1.0	W45S1225-XC*****
2.2	41.0	33.5	18.5	37.0	1.0	W45S1225-XC*****
2.7	41.0	37.0	22.0	37.0	1.0	W45S1275-XC*****
3.3M	41.0	37.0	22.0	37.0	1.0	W45S1335-XC*****
3.3K	41.5	37.5	27.5	37.0	1.0	W45S1335-XC*****
3.9	41.0	41.0	26.0	37.0	1.0	W45S1395-XC*****
3.9	41.5	37.5	27.5	37.0	1.0	W45S1395-XC*****

备注: 1. "-" 表示容量偏差。"- " = capacitance tolerance code, M=±20%,K=±10%,

2. 第 12 位表示引线加工和包装代码, L= 直脚 straight lead K= 引线成型 Lead kinked T= 弹带包装 ammo-pack

3. "# "当额定电压是 480Vac 时, 第 4~5 位代码是 S3。"# "when the rated voltage is 480Vac, the digit 4~5 is S3

■ 外形尺寸 Dimensions (mm)

310Vac / 330Vac / 440Vac / 480Vac #						
Cn (μ F)	W max	H max	T max	P	d	Part number
4.7M	41.0	43.0	28.0	37.0	1.0	W45S1475-XC*****
4.7K	42.0	45.0	30.0	37.0	1.0	W45S1475-XC*****
4.7	57.0	38.0	24.0	52.5	1.2	W45S1475-4D*****
5.6	57.0	45.0	30.0	52.5	1.2	W45S1565-4D*****
6.8	57.0	45.0	30.0	52.5	1.2	W45S1685-4D*****
8.2	57.0	50.0	35.0	52.5	1.2	W45S1825-4D*****
10.0	57.0	50.0	35.0	52.5	1.2	W45S1106-4D*****

备注: 1. "-" 表示容量偏差。 "-" =capacitance tolerance code, M= \pm 20%,K= \pm 10%,

2. 第 12 位表示引线加工和包装代码, L= 直脚 straight lead K= 引线成型 Lead kinked T= 弹带包装 ammo-pack

3. "#"当额定电压是 480Vac 时, 第 4~5 位代码是 S3。 "#"when the rated voltage is 480Vac, the digit 4~5 is S3