



# MKP61B(THB)

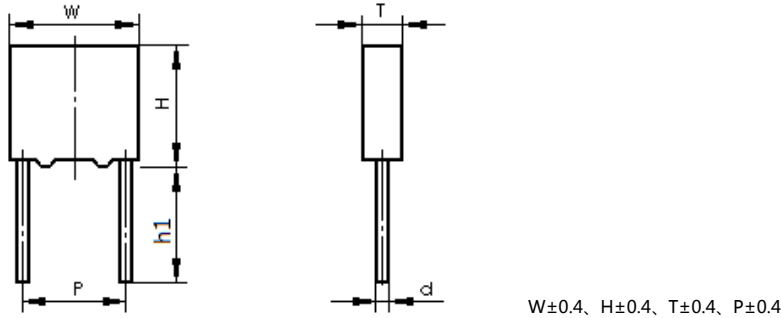
## MKP61B series(THB)

### MKP61B 抑制电源电磁干扰薄膜电容(X2 THB, 275Vac/305Vac/310Vac)

### Metallized Polypropylene Film Interference Suppression Capacitor

### (Class X2, Temperature Humidity Bias (THB) Series)

#### ◆ 外形尺寸图及产品结构 Outline Drawing and Capacitor Construction



#### ◆ 特点及用途 Application and Feature

塑料外壳(UL94 V-0),环氧树脂灌封;在严苛环境下(如高温高湿)长期应用容量稳定;广泛用于电源跨线等抗干扰场合。

Plastic case (UL94 V-0), Epoxy resin sealing; High stability of capacitance under severe ambient condition, such as high temperature and high humidity; Widely used in across-the-line, interference suppression circuit, ect.

#### ◆ 技术要求 Specifications

参照标准 Reference Standard	GBT 6364.14、IEC 60384-14		
气候类别/阻燃等级 Climatic category/Passive Flammability Class	40/110/56/B		
工作温度范围 Operation Temperature Range	-40℃~+110℃		
额定电压 Rated Voltage	275Vac/305Vac/310Vac (50/60Hz)		
电容量范围 Capacitance Range	0.01μF~25.0μF		
电容量偏差 Capacitance Tolerance	±10%(K)、±20%(M)(20℃, 1kHz)		
耐电压 Voltage Proof	引线之间 Between Terminals	4.3U <sub>R</sub> (dc), 2s	
	极壳之间 Between Terminals to case	2120Vac (1min)	
绝缘电阻 Insulation Resistance	C <sub>R</sub> ≤ 0.33μF, IR ≥ 15 000 MΩ C <sub>R</sub> > 0.33μF, IR × C ≥ 5 000s (20℃, 100V, 1min)		
损耗角正切 Dissipation Factor	C <sub>R</sub> ≤ 1.0μF	≤ 0.0015 (1kHz, 20℃)	≤ 0.0040 (10kHz, 20℃)
	C <sub>R</sub> > 1.0μF	≤ 0.0030 (1kHz, 20℃)	
耐湿热负荷 THB test (Damp Heat Test with Loading)	Temperature: 85℃ ± 2℃; Humidity: 85%RH ± 2%RH Voltage: 300Vac 50Hz; Duration: 1 000 hours(C <sub>R</sub> ≤ 0.47μF) Duration: 1 200 hours(C <sub>R</sub> > 0.47μF)  Capacitance change(ΔC/C): ≤ 10% DF change(Δtg δ): ≤ 0.5% (1kHz) Insulation resistance: ≥ 50% of the rated value		

#### ◆ 安全认证 Safety Approvals

	CQC (中国)	GBT 6346.14, X2, 275Vac/305Vac, 0.001μF~45μF, 40/110/56/B Certificate No.: CQC03001007919 IEC 60384-14, X2, 310Vac/630Vdc/560Vdc, 0.001μF~25μF, 40/110/56/B Certificate No.: CQC19001229855
	ENEC (欧盟)	IEC 60384-14, X2, 275Vac/305Vac, 0.001μF~45μF, 40/110/56/B Certificate No.: 40032626 IEC 60384-14, X2, 310Vac/630Vdc/560Vdc, 0.001μF~25μF, 40/110/56/B Certificate No.: HN 69262302
	UL-CUL (美国/加拿大)	UL60384-14, CSA E60384-1, CSA E60384-14 X2, 275Vac/305Vac/310Vac, 0.0010μF~45μF, 40/110/56/B Certificate No.: E217215
	KTL (韩国)	K60384-1, K60384-14, X2, 305Vac, 0.0010μF~45μF, 40/110/56/B Certificate No.: SU03046-10001A/10002A/13001/13002/13003

◆ 产品尺寸: Product Dimension:

275Vac <sup>▲</sup> /305Vac <sup>▲</sup> /310Vac																
C (μF)	W	H	T	P	d	产品代码 Part number	MOQ	C (μF)	W	H	T	P	d	产品代码 Part number	MOQ	
0.10	18.0	12.0	6.0	15.0	0.6	M61B104-P360****	500	1.2	32.0	22.0	13.0	27.5	0.8	M61B125-P3B0****	200	
0.12	18.0	13.5	6.0	15.0	0.6	M61B124-P360****	500	1.5	32.0	22.0	13.0	27.5	0.8	M61B155-P3B0****	200	
0.15	18.0	13.5	7.5	15.0	0.6	M61B154-P360****	500	1.8	32.0	25.0	13.0	27.5	0.8	M61B185-P3B0****	200	
0.18	18.0	13.5	7.5	15.0	0.6	M61B184-P360****	500	2.2	32.0	28.0	14.0	27.5	0.8	M61B225-P3B0****	200	
0.22	18.0	14.5	8.5	15.0	0.6	M61B224-P360****	500	2.7	32.0	30.0	16.0	27.5	0.8	M61B275-P3B0****	200	
0.27	18.0	16.0	10.0	15.0	0.8	M61B274-P360****	500	3.3	32.0	33.0	18.0	27.5	0.8	M61B335-P3B0****	200	
0.33	18.0	16.0	10.0	15.0	0.8	M61B334-P360****	500	3.9	32.0	33.0	18.0	27.5	0.8	M61B395-P3B0****	200	
0.39	18.0	19.0	11.0	15.0	0.8	M61B394-P360****	500	4.7	32.0	37.0	22.0	27.5	0.8	M61B475-P3B0****	200	
0.47	18.0	19.0	11.0	15.0	0.8	M61B474-P360****	500	5.6	32.0	37.0	22.0	27.5	0.8	M61B565-P3B0****	200	
0.33	26.5	17.0	8.5	22.5	0.8	M61B334-P390****	500	1.5	42.0	22.0	11.0	37.5	1.0	M61B155-P3E0****	50	
0.39	26.5	17.0	8.5	22.5	0.8	M61B394-P390****	500	1.8	42.0	24.0	13.0	37.5	1.0	M61B185-P3E0****	50	
0.47	26.5	18.5	10.0	22.5	0.8	M61B474-P390****	500	2.2	42.0	25.0	14.0	37.5	1.0	M61B225-P3E0****	50	
0.56	26.5	18.5	10.0	22.5	0.8	M61B564-P390****	500	2.7	42.0	26.0	15.0	37.5	1.0	M61B275-P3E0****	50	
0.68	26.5	20.0	11.0	22.5	0.8	M61B684-P390****	500	3.3	42.0	28.0	17.0	37.5	1.0	M61B335-P3E0****	50	
0.82	26.5	20.0	11.0	22.5	0.8	M61B824-P390****	500	3.9	42.0	30.0	16.0	37.5	1.0	M61B395-P3E0****	50	
1.0	26.5	22.0	12.0	22.5	0.8	M61B105-P390****	500	4.7	42.0	33.5	18.5	37.5	1.0	M61B475-P3E0****	50	
1.2	26.5	23.0	13.0	22.5	0.8	M61B125-P390****	500	5.6	42.0	34.0	20.0	37.5	1.0	M61B565-P3E0****	50	
1.5	26.5	24.5	15.5	22.5	0.8	M61B155-P390****	500	6.8	42.0	37.0	22.0	37.5	1.0	M61B685-P3E0****	50	
1.8	26.5	29.5	14.5	22.5	0.8	M61B185-P390****	500	8.2	42.0	37.0	26.0	37.5	1.0	M61B825-P3E0****	50	
2.2	26.5	31.0	15.5	22.5	0.8	M61B225-P390****	500	10	42.0	41.0	26.0	37.5	1.0	M61B106-P3E0****	50	
0.47	32.0	18.0	9.0	27.5	0.8	M61B474-P3B0****	200	12	42.0	45.0	30.0	37.5	1.0	M61B126-P3E0****	50	
0.56	32.0	18.0	9.0	27.5	0.8	M61B564-P3B0****	200	15	42.0	50.0	30.0	37.5	1.0	M61B156-P3E0****	50	
0.68	32.0	20.0	11.0	27.5	0.8	M61B684-P3B0****	200	18	57.0	45.0	30.0	52.5	1.2	M61B186-P3G0****	20	
0.82	32.0	20.0	11.0	27.5	0.8	M61B824-P3B0****	200	20	57.0	48.0	30.0	52.5	1.2	M61B206-P3G0****	20	
1.0	32.0	20.0	11.0	27.5	0.8	M61B105-P3B0****	200	25	57.0	50.0	35.0	52.5	1.2	M61B256-P3G0****	20	

备注:

“-”: 客户要求的容量偏差

“\*\*\*\*”: 引线加工和包装代码 (见 15 页表 4)

“▲”: 额定电压为 275Vac 时, 第 9~10 位为 N3

“▲”: 额定电压为 305Vac 时, 第 9~10 位为 P2

MOQ: 最小订单量

“-”=custom's capacitor tolerance code, K=±10%, M=±20%

“\*\*\*\*”= Lead form and packing code (refer to table 4 in page 15)

“▲”=when the rated voltage is 275Vac, the digit 9~10 is N3

“▲”=when the rated voltage is 305Vac, the digit 9~10 is P2

MOQ = Minimum order quantity