



### Miniature Metallized Polyester Film Capacitor

JGS32 (CL21) 是以金属化聚乙酯膜为介质和电极，以镀锡铜包钢线为端子，并以环氧树脂封装。

此系列产品适用于阻隔，耦合，临界耦合，旁路，滤波，计时电路，也适用于通讯，数据处理，工业设备和自动控制系统装置等。

JGS32 (CL21) are non-inductively wound with metallized Polyester film a n d electrode, with copper-clad steel leads and epoxy coating.

They are suitable for blocking, coupling, decoupling, by-passing, filtering and timing circuits, and are ideal for Telecommunication, Data Processing, Industrial Instruments, Automatic Control System Equipments, etc.



### 特性 FEATURES:

- 耐湿性强,焊锡性佳  
High moisture resistance & good solderability.
- 自愈特性  
Self-healing properties.
- 尺寸小,省空间  
Space-saving small size.

### 技术要求 SPECIFICATIONS:

1. 工作温度 OPERATING TEMPERATURE: -40°C -- +85°C.
2. 容量范围 CAPACITANCE RANGE: 0.010uF -- 10uF.
3. 容量误差 CAPACITANCE TOLERANCE: ± 5%(J), ± 10%(K).
4. 额定电压 RATED VOLTAGE: 50/100/160/250/400/630 VDC.
5. 损耗 DISSIPATION FACTOR: 1.0% max. at 1KHz, 25°C.
6. 绝缘阻抗 INSULATION RESISTANCE: 30,000 MOhm min. for C ≤ 0.33uF.  
10,000 MOhm\*uF/C min. for C > 0.33uF.
7. 耐压强度 DIELECTRIC STRENGTH: 150% of rated voltage for 5 sec.

Part Number	Rated Cap.	50/63/100VDC					Part Number	Rated Cap.	250/160VDC					Part Number	Rated Cap.	400VDC				
		W	H	T	P	d			W	H	T	P	d			W	H	T	P	d
		max	max	max	±1.0	±0.05			max	max	max	±1.0	±0.05			max	max	max	±1.0	±0.05
	0.047uF	10.5	9.5	5.0	7.5	0.6		0.022uF	10.5	9.5	5.5	7.5	0.6		0.01uF	10.5	10.5	6.0	7.5	0.6
	0.056uF	10.5	10.0	5.5	7.5	0.6		0.027uF	10.5	9.5	5.5	7.5	0.6		0.012uF	10.5	10.5	6.5	7.5	0.6
	0.068uF	10.5	10.0	6.0	7.5	0.6		0.033uF	10.5	10.0	5.5	7.5	0.6		0.015uF	10.5	11.5	6.5	7.5	0.6
	0.082uF	10.5	10.5	6.0	7.5	0.6		0.039uF	10.5	10.0	6.0	7.5	0.6		0.018uF	10.5	12.0	6.5	7.5	0.6
	0.10uF	10.5	11.0	6.5	7.5	0.6		0.047uF	10.5	10.0	6.0	7.5	0.6		0.022uF	13.0	10.5	6.0	10.0	0.6
	0.12uF	10.5	11.5	7.0	7.5	0.6		0.056uF	10.5	10.5	6.0	7.5	0.6		0.027uF	13.0	11.0	6.0	10.0	0.6
	0.15uF	10.5	12.0	7.5	7.5	0.6		0.068uF	10.5	10.5	6.5	7.5	0.6		0.033uF	13.0	11.0	6.5	10.0	0.6
	0.18uF	10.5	13.0	8.0	7.5	0.6		0.082uF	10.5	11.0	7.0	7.5	0.6		0.039uF	13.0	11.5	7.0	10.0	0.6
	0.22uF	13.0	12.0	7.0	10.0	0.6		0.10uF	13.0	11.5	6.0	10.0	0.6		0.047uF	13.0	12.0	7.0	10.0	0.6
	0.27uF	13.0	12.5	7.5	10.0	0.6		0.12uF	13.0	12.0	6.5	10.0	0.6		0.056uF	13.0	12.0	7.5	10.0	0.6
	0.33uF	13.0	13.0	8.0	10.0	0.6		0.15uF	13.0	12.0	7.0	10.0	0.6		0.068uF	13.0	12.5	7.5	10.0	0.6
	0.39uF	13.0	13.5	8.5	10.0	0.6		0.18uF	13.0	12.5	7.0	10.0	0.6		0.082uF	13.0	12.5	8.0	10.0	0.6
	0.47uF	13.0	14.5	9.0	10.0	0.6		0.22uF	13.0	13.0	7.0	10.0	0.6		0.10uF	18.5	12.0	6.5	15.0	0.6
	0.56uF	18.5	13.5	8.0	15.0	0.6		0.27uF	13.0	13.5	7.5	10.0	0.6		0.12uF	18.5	12.5	7.0	15.0	0.6
	0.68uF	18.5	14.5	8.5	15.0	0.6		0.33uF	18.5	14.5	8.0	15.0	0.6		0.15uF	18.5	13.0	7.5	15.0	0.6
	0.82uF	18.5	15.0	9.5	15.0	0.8		0.39uF	18.5	15.0	9.0	15.0	0.6		0.18uF	18.5	13.5	8.0	15.0	0.6
	1.0uF	18.5	15.5	10.0	15.0	0.8		0.47uF	18.5	15.5	9.5	15.0	0.8		0.22uF	18.5	14.0	8.0	15.0	0.6
	1.2uF	18.5	16.5	11.0	15.0	0.8		0.56uF	18.5	16.0	10.0	15.0	0.8		0.27uF	18.5	14.5	9.0	15.0	0.6
	1.5uF	18.5	17.5	11.5	15.0	0.8		0.68uF	18.5	16.5	10.5	15.0	0.8		0.33uF	18.5	15.0	9.5	15.0	0.8
	1.8uF	24.0	18.0	10.0	20.0	0.8		0.82uF	24.0	16.0	10.0	20.0	0.8		0.39uF	18.5	16.0	10.0	15.0	0.8
	2.2uF	24.0	18.5	11.0	20.0	0.8		1.0uF	24.0	18.0	10.5	20.0	0.8		0.47uF	18.5	17.0	11.0	15.0	0.8
	2.7uF	24.0	21.0	13.0	20.0	0.8		1.2uF	24.0	19.0	11.0	20.0	0.8		0.56uF	24.0	16.0	10.0	20.0	0.8
	3.3uF	24.0	22.5	14.0	20.0	0.8		1.5uF	24.0	20.0	11.5	20.0	0.8		0.68uF	24.0	17.0	11.0	20.0	0.8
	3.9uF	24.0	23.5	14.5	20.0	0.8		1.8uF	24.0	21.0	12.5	20.0	0.8		0.82uF	30.0	17.0	10.5	26.0	0.8
	4.7uF	32.0	24.5	13.5	27.5	0.8		2.2uF	32.0	23.0	12.0	27.5	0.8		1.0uF	30.0	18.0	11.0	26.0	0.8
	5.6uF	32.0	25.0	14.0	27.5	0.8		2.7uF	32.0	24.0	14.0	27.5	0.8		1.2uF	30.0	19.0	12.0	26.0	0.8
	6.8uF	32.0	26.0	15.5	27.5	0.8		3.3uF	32.0	24.5	14.5	27.5	0.8		1.5uF	30.0	20.5	13.0	26.0	0.8
	8.2uF	32.0	27.5	16.5	27.5	0.8		4.7uF	42.0	26.0	14.0	37.5	1.0		1.8uF	37.0	25.0	16.5	32.5	0.8
	10.0uF	37.0	28.0	18.0	32.5	1.0		5.6uF	42.0	27.0	15.0	37.5	1.0		2.2uF	37.0	26.0	17.5	32.5	0.8
Part Number	Rated Cap.	630VDC					Part Number	Rated Cap.	630VDC					Part Number	Rated Cap.	630VDC				
		W	H	T	P	d			W	H	T	P	d			W	H	T	P	d
		max	max	max	±1.0	±0.05			max	max	max	±1.0	±0.05			max	max	max	±1.0	±0.05
	0.01uF	13.0	11.0	6.0	10.0	0.6		0.068uF	18.5	13.5	9.0	15.0	0.6		0.39uF	24.0	21.5	14.0	20.0	0.8
	0.012uF	13.0	11.5	6.0	10.0	0.6		0.082uF	18.5	14.0	9.5	15.0	0.6		0.47uF	32.0	22.5	13.0	27.5	0.8
	0.015uF	13.0	11.5	6.5	10.0	0.6		0.10uF	24.0	14.5	9.0	20.0	0.8		0.56uF	32.0	23.5	14.0	27.5	0.8
	0.018uF	13.0	11.5	7.0	10.0	0.6		0.12uF	24.0	15.0	9.5	20.0	0.8		0.68uF	37.0	24.5	15.5	32.5	1.0
	0.022uF	13.0	11.5	7.0	10.0	0.6		0.15uF	24.0	16.5	10.0	20.0	0.8		0.82uF	37.0	26.0	17.0	32.5	1.0
	0.027uF	13.0	11.5	7.5	10.0	0.6		0.18uF	24.0	17.5	11.0	20.0	0.8		1.0uF	37.0	26.5	17.0	32.5	1.0
	0.033uF	13.0	12.5	8.0	10.0	0.6		0.22uF	24.0	19.0	12.0	20.0	0.8		1.2uF	42.0	28.0	18.5	37.5	1.0
	0.047uF	18.5	12.5	8.0	15.0	0.6		0.27uF	24.0	20.0	12.5	20.0	0.8		1.5uF	42.0	29.0	19.5	37.5	1.0
	0.056uF	18.5	13.0	8.5	15.0	0.6		0.33uF	24.0	20.5	13.5	20.0	0.8		1.8uF	42.0	30.0	21.0	37.5	1.0

◎ 超出上述范围之需求，请先与我们联系，确认是否承制。

For inquiry of items out of above range or with special dimensions, please do not hesitate to contact with us for availability.

◎ 上述规格仅供参考，实际规格以规格承诺书为准。

Specifications are subject to change without notice. Please refer to approval sheets for final and mutually agreed specifications.