

# 陕西电子科技集团有限公司

## SHAANXI ELECTRONIC GROUPTECH CO., LTD

Phone:+86 029-83135925 Mobile:15114839048 E-mail: [sales@ferritewindings.com](mailto:sales@ferritewindings.com)

### CL20 金属化聚脂膜扁轴向电容器

#### CL20 metalized polyester film flax axes capacitor

is constructed with metalized polyester film as medium and electricode, wrapped and sealed with flame-retardant plastic and epoxy resin, with high temperature-resistance, small volum, large capacity and good self-healing property. Mainly used in instruments and the DC&AC circuit of the household equipment and the fractional frequency of acoustics system.

#### ●特点

以金属化聚脂膜作介质和电极,用阻燃胶带外包和环氧树脂密封,具有电性能优良、可靠性好、耐高温、体积小、容量大和良好自愈性能。

#### ●用途

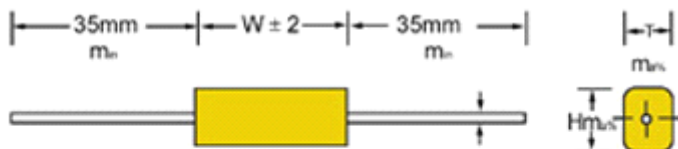
本产品适用于仪器、仪表、家用电器的交直流电路,广泛应用于音响系统分频线路中。

#### ●技术指标 (IEC384-2 GB7335-87)

1. 使用温度(operating temperature): $-40^{\circ}\text{C} \sim +105^{\circ}\text{C}$
2. 容量范围 (capacitance range): $10\text{nF} \sim 33 \mu\text{F}$
3. 允许偏差 (capacitance tolerance): J( $\pm 5\%$ ) ; K ( $\pm 10\%$ )
4. 额定电压 (rated votage): 50/63V 250V 400V 630V (DC)
5. 耐电压 (withsland voltage): 1.6VR 2S (1.5VR 5S)
6. 损耗角(dissipation factor):
 

$C \leq 1 \mu\text{F}$	$\leq 0.013$	10KHz
$1 \mu\text{F} < C \leq 10 \mu\text{F}$	$\leq 0.008$	1KHz
$C > 10 \mu\text{F}$	$\leq 0.010$	1KHz
7. 绝缘电阻(insulation resistance):
 

$C \leq 0.33 \mu\text{F}$	$V(R) \leq 100\text{V}$	$\geq 7500\text{M}\Omega$ ;
	$V(R) > 100\text{V}$	$\geq 15000\text{M}\Omega$ ;
$C > 0.33 \mu\text{F}$	$V(R) \leq 100\text{V}$	$\geq 2500\text{M}\Omega$ ;
	$V(R) > 100\text{V}$	$\geq 5000\text{M}\Omega$



$L < 20$	$d = 0.6\text{mm}$
$L \geq 20$	$d = 0.8\text{mm}$

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CAP		50/630VDC			100/160VDC			250VDC			400VDC			630VDC			
CODE	μF	W	T	H	W	W	W	W	T	H	W	T	H	W	T	H	
103	0.01													13	3.7	6.2	
															15	3	7.1
153	0.015													13	3.5	6.8	
															15	3.2	7.7
223	0.022													13	3.2	6.8	
															15	3.4	7.8
333	0.033											13	3.2	6	13	4	7.6
															15	3.5	7.8
473	0.047							13	3.2	6.8	13	3.5	7.1	15	4.2	8.6	
												15	3	7.4			
683	0.068							13	3.4	7	13	4.6	7.4	15	4.2	8.6	
								15	3.1	6.7	15	3.7	8.1	20	3.5	7.9	
104	0.1				13	3.3	6.2	13	4.1	7.8	15	4.1	10.1	15	5.4	9.7	
					15	3.1	6	15	3.6	8				20	3.9	9.8	
154	0.15				13	3.8	7.5	15	4.5	8.9	20	3.5	9.4	20	5	10.9	
					15	3.5	7.2										
224	0.22	13	3.1	6.8	15	4.5	8.5	15	5.6	10	20	4.6	10.3	20	6.2	12.2	
								20	3.8	8.2	25	3.4	9.4	25	4.9	10.8	
334	0.33	13	3.9	7.5	15	5.2	9.6	20	4.7	9.2	20	5.6	11.6	25	5.7	13.3	
		15	3.2	6.9				25	3.8	8.2	25	4.4	10.3	28	5.1	12.6	
474	0.47	13	3.8	6.8	20	3.8	9.8	20	5.8	10.2	20	7	12.9	25	7.1	14.6	
		15	3.7	7.1				25	4.6	9	25	5.5	11.4	28	6.4	13.9	
												28	4.9	10.8			
684	0.68	15	4.5	9	20	4.7	10.7	20	7.2	11.6	25	6.3	13.8	25	9	16.5	
		20	3.1	7.7				25	5.7	10.1	28	5.6	13.1	28	8	15.5	
														32	7.1	14.6	
105	1.0	20	3.5	9.6	20	6	12	20	9	13.4	25	8	15.8	32	8.4	17.5	
								25	7.1	11.3	28	7.1	14.6	36	7.5	16.6	
								28	5.8	11.8	32	6.3	13.8				

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155	1.5	20	4.4	10.5	20	7.7	13.7	25	8.3	14.3	28	9.1	16.6	32	10.9	19.9
		25	4	8.5	25	6.6	10.7	28	7.5	13.4	32	8.1	15.6	36	9.8	18.8
					28	5.3	11.3									
225	2.2	20	5.6	11.7	20	10.5	14.9	25	9.8	17.3	32	9.6	18.7	32	13.8	22.8
		25	4.5	10.6	25	7.6	13.6	8	8.7	16.3	36	8.6	17.7	36	12.4	21.5
					28	6.4	12.4									
335	3.3	20	6.7	14.3	25	9	16.6	28	10.6	19.7	32	12.4	21.4	32	17.6	26.6
		25	5.3	12.9	28	7.6	15.2	32	9.9	17.5	36	11.1	20.2	36	15.9	24.9
		28	4.8	12.4							46	9.1	18.2	46	13	22.1
475	4.7	25	6.7	14.3	28	8.8	18	32	11.6	20.8	46	11.3	20.4	46	16.2	25.2
		28	6.1	13.7	32	8.2	17.4	36	10.5	19.6	56	9.7	18.8	56	13.9	23
685	6.8	25	7.8	17	32	10.5	19.6	32	14.6	23.7	46	14.3	23.3			
		28	7.1	16.3	36	9.4	18.5	36	14.2	22.3	56	12.3	21.3			
106	10	28	9.1	18.3	32	13.4	22.5	36	16.7	25.8	46	18	27.1			
		32	7.8	17	36	12	21.2	46	13.7	22.8	56	15.5	24.6			
156	15	32	10.2	19.3	32	17.1	26.3	46	17.5	26.6	56	19.8	28.8			
		36	9.3	18.5	36	15.5	24.6	56	15.1	24.2						
					46	11.9	21									
226	22	32	12.9	22.1	46	15.1	24.2									
		36	11.9	21	56	13	22.1									
		46	9.7	18.9												
336	33	46	12.5	21.7	56	16.6	25.7									
		56	10.8	20												

可根据客户需求定制(Special design for requirements)