	METALLIZED POLYESTER FILM CAPACITOR	File No.:	METAL-02
		Version:	A
		Page:	1
		Date:	2009.01.01

● Explanations Of Ordering Code

DESCRIPTION : METAL 1UF 10% 250V 20 X 20

SYNTON CODE : METAL 105 K 250V 20 X 20

Series	Capacitance value	Tolerance	Voltage	Pitch	Lead Length
METALLIZED POLYESTER FILM CAPACITOR	3 Digits : 103 : 10NF (0.01UF) 104 : 0.1UF 105 : 1UF : 106 : 10UF	J : ±5% K : ±10% M : ±20%	100V 250V 400V 630V	10.0 ±1.0mm 15.0 ±1.0 mm 20.5 ±1.0 mm 27.5 ±1.0 mm	20mm (min)

APPROVED	CHECKED	DESIGNED	REMARK	DOCUMENT NO.
Carol	May	Chen		0201010330

● Introduction

1.Hight stability.
2.Non-inductive.
3.Miniature size.
4.Self-healing characteristics.
5.Dipped epoxy coating protects from humidity.
6.Execllent for used in coupling, By-pass, R.F. filtering, and Solid-state application where Size is critical.

● Specification

1.Dielectric: Polyester film.
2.Electrodes: Metallized polyester film.
3.Coating: Epoxy resin (brown color).
4.Operating temperature: -40℃~+85℃.
5.Range voltage: 50,100,250,400,630VDC.
6.Capacitance: 0.01u ~ 10uF.
7.Capacitance tolerance: ±5%, ±10%, ±20%.
8.Test voltage: R.V. × 175% for 1 minute.
9.Insulation resistance:

Capacitance≦0.33uF More than 9,000 MΩ

Capacitance＞0.33uF More than 3,000 MΩ×uF

10.Dissipation factor: 1% max. at 1KHz 25℃

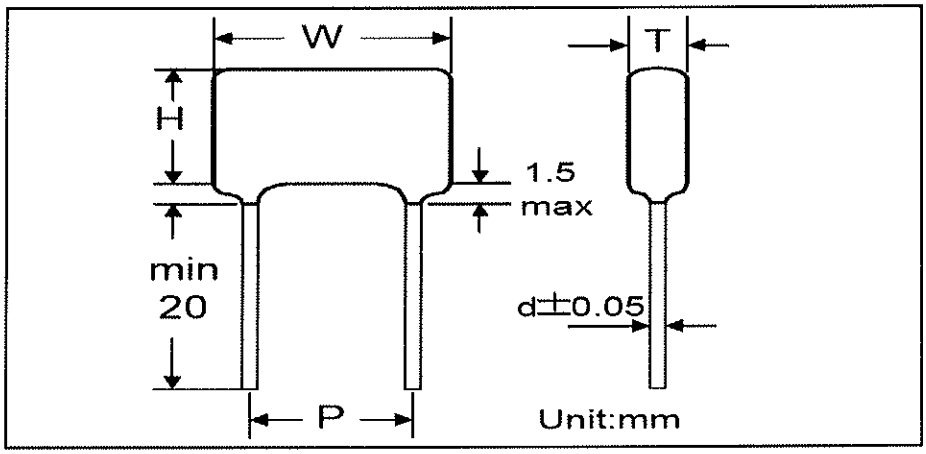
11.Dry heat resistance:+85℃ capacitance drift within+5%-0%.

12.Low temperature resistance: -40℃ capacitance drift within +0%-8%.

13.Mositure-proof load life test: Temperature and humidity +60℃, 90~95% R.H., add W.V. for 500 hours. Capacitance drift within ±8%.Dissipation factor: <1.1% Insulation resistance: over 30% of initial value.

14.Hight temperature load life test. Add 140% of W.V. 85℃ in chamber for 1000 hours. Capacitance drift within ±3%. Dissipation factor: <1.1% Insulation resistance: over 10% of initial value.

	METALLIZED POLYESTER FILM CAPACITOR	File No.:	METAL-02
		Version:	A
		Page:	4
		Date:	2009.01.01



Capacitance		(100VDC)					(250VDC)				
Symbol	UF	W	H	T	P	d	W	H	T	P	d
103	0.01	13.0	10.0	5.5	10.0	0.6	13.0	10.0	5.5	10.0	0.6
153	0.015	13.0	10.0	5.5	10.0	0.6	13.0	10.0	5.5	10.0	0.6
223	0.022	13.0	10.0	5.5	10.0	0.6	13.0	10.0	5.5	10.0	0.6
273	0.027	13.0	10.0	5.5	10.0	0.6	13.0	10.0	5.5	10.0	0.6
333	0.033	13.0	10.0	5.5	10.0	0.6	13.0	10.0	5.5	10.0	0.6
473	0.047	13.0	10.0	5.5	10.0	0.6	13.0	10.0	5.5	10.0	0.6
563	0.056	13.0	11.0	5.5	10.0	0.6	13.0	10.0	5.5	10.0	0.6
823	0.082	13.0	11.0	5.5	10.0	0.6	13.0	10.0	5.5	10.0	0.6
104	0.1	13.0	12.5	5.5	10.0	0.6	13.0	10.0	5.5	10.0	0.6
154	0.15	13.0	12.5	8.0	10.0	0.6	13.0	12.5	8.0	10.0	0.6
224	0.22	13.0	12.5	8.0	10.0	0.6	18.0	12.0	7.0	15.0	0.6
334	0.33	13.0	11.5	6.5	15.0	0.6	18.0	14.0	8.0	15.0	0.6
474	0.47	18.0	12.5	7.0	15.0	0.6	18.0	15.0	9.0	15.0	0.8
684	0.68	18.0	13.5	8.0	15.0	0.6	24.0	14.0	9.5	20.0	0.8
105	1.0	18.0	16.5	9.0	15.0	0.8	24.0	18.0	10.5	20.0	0.8
155	1.5	24.0	15.0	8.5	20.0	0.8	24.0	20.0	11.5	20.0	0.8
225	2.2	24.0	21.0	12.5	20.0	0.8	30.0	23.0	13.5	27.5	0.8
335	3.3	24.0	22.0	13.0	20.0	0.8	30.0	24.0	16.5	27.5	0.8
475	4.7	30.0	23.5	14.0	27.5	0.8					
685	6.8	30.0	24.0	15.5	27.5	0.8					
106	10.0	30.0	26.0	21.5	27.5	0.8					

METALLIZED POLYESTER FILM CAPACITOR

Capacitance		(400VDC)					(630VDC)				
Symbol	UF	W	H	T	P	d	W	H	T	P	d
103	0.01	13.0	10.0	5.5	10.0	0.6	13.0	10.5	6.0	10.0	0.6
153	0.015	13.0	10.0	6.0	10.0	0.6	13.0	11.0	6.5	10.0	0.6
223	0.022	13.0	10.0	6.0	10.0	0.6	13.0	11.0	6.5	10.0	0.6
333	0.033	13.0	11.0	6.5	10.0	0.6	13.0	12.0	7.0	10.0	0.6
473	0.047	13.0	11.5	7.0	10.0	0.6	18.0	12.5	7.5	15.0	0.6
563	0.056	13.0	12.5	7.0	10.0	0.6	18.0	14.0	8.0	15.0	0.6
823	0.082	18.0	10.5	6.0	15.0	0.8	18.0	14.0	8.0	15.0	0.8
104	0.1	18.0	11.5	6.5	15.0	0.8	18.0	15.0	8.5	15.0	0.8
154	0.15	18.0	14.0	8.0	15.0	0.6	24.0	16.5	9.0	20.0	0.8
224	0.22	18.0	15.0	9.5	15.0	0.8	24.0	16.5	10.5	20.0	0.8
334	0.33	24.0	16.0	9.0	20.0	0.8	24.0	18.0	12.0	20.0	0.8
474	0.47	24.0	17.5	10.5	20.0	0.8	30.0	22.0	12.5	27.5	0.8
684	0.68	30.0	17.5	10.5	27.5	0.8	30.0	23.5	14.0	27.5	0.8
105	1.0	30.0	21.5	12.0	27.5	0.8	30.0	28.5	18.0	27.5	0.8
155	1.5	30.0	24.0	14.0	27.5	0.8					
225	2.2	30.0	26.0	16.0	27.5	0.8					
335	3.3										
475	4.7										
685	6.8						P	10.0	15.0	20.0	27.5
106	10.0						Tol.	±1.0	±1.0	±1.5	±2.0