

» 金属化聚酯薄膜电容器(浸渍型)

Metallized polyester capacitor(Dipped)

H1D	系列
CL21	SERIES

●FEATURES(特征)

- *Special metallized polyester film is used for small size construction low noise,.
- *特殊金属化聚酯薄膜，低噪音，体积小。
- *Highly reliable because of its self-healing performance.
- *由于金属化膜自愈合性能，因而具有很高的可靠性。
- *Uniform flame-retardant epoxy resin coating through the latest resin technology.This provides miniature size and light weight.
- *采用最新的浸渍技术，使用阻燃性环氧树脂浸封，使其非常均匀，光滑，体积小，重量轻。
- *Available in series from low voltage to high voltage.
- *从低电压到高压的系列化产品。

●APPLICATION

This type capacitor can be used in blocking,by passing, filtering, timing, interference suppression, low pulse applications (< 20 KHz).

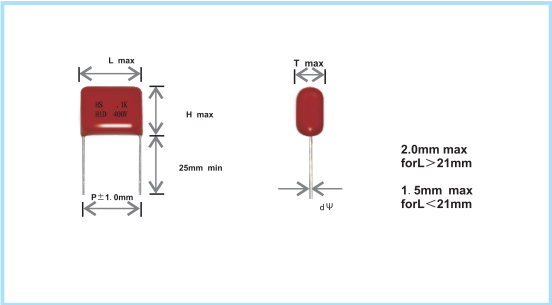
●技术要求 Specifications

工作温度 OPERATING TEMPERATURE RANGE	- 40℃ ~ + 105℃
额定电压 RATED VOLTAGE	100Vdc,250Vdc,400Vdc,630Vdc,1000Vdc,1250Vdc
容量范围 CAPACITANCE RANGE	100V.dc 0.033~4.7μF (E-12) 250V.dc 0.047~3.3μF (E-12) 400V.dc 0.022~1.5 μ F (E-12) 630V.dc 0.0010~0.68 μ F (E-12) 1000V.dc 0.0010~0.22 μ F (E-12) 1250V.dc 0.0010~0.1 μ F (E-12)
耐电压 VOLTAGE PROOF	1.6Vr(5s)
容值误差 CAPACITANCE TOLERANCE	± 5%(J), ±10% (K).
绝缘阻抗 INSULATION RESISTANCE	C< .33uF, R≥15 ,000MΩ . 20℃ C≥.33uF, RC≥ 5,000MΩ ×uF.
损耗角正切 DISSIPATION FACTOR	≤1.0% (20℃, 1KHz)

●引脚加工 Lead cut and forming lead cut

形状 Style	直引线型 Straight lead type		引线加工型 Formed lead type							
容量范围 Cap range	100V. dc	333-475	333-474	333-105	564-105	125-225	275-475		564-225	
	250V. dc	473-335	473-583	473-224	832-224	274-684	824-185	225-335	823-684	
	400V. dc	223-155		223-823	223-823	104-394	474-125	155. 0	223-394	
	630V. dc	102-684		102-393	102-393	473-124	154-394	474-684	102-124	473-124

●外形图 Outline Drawing



●应用

该电容器可以用在阻容降压型。通过对干扰，滤波，时间抑制，低于（<20KHz）脉冲应用。

金属化聚酯薄膜电容器(浸渍型)

Metallized polyester capacitor(Dipped)

● 标准尺寸 Dimensions (mm)

TYPE H1D	Cap (μF)	H1D 100V.d.c						Part number	H1D 250V.d.c						Part number
		L	H	T	P	S	dΦ		L	H	T	P	S	dΦ	
333	0.033	9.5	5.5	3.5	7.5	5.0/7.5	0.5	H1D2A333-B+							
393	0.039	9.5	5.5	3.5	7.5	5.0/7.5	0.5	H1D2A393-B+							
473	0.047	9.5	5.5	3.5	7.5	5.0/7.5	0.5	H1D2A473-B+	10.0	7.5	4.5	7.5	5.0/7.5	0.6	H1D2E473-B+
563	0.056	9.5	5.5	3.5	7.5	5.0/7.5	0.5	H1D2A563-B+	10.0	8.0	5.0	7.5	5.0/7.5	0.6	H1D2E563-B+
683	0.068	9.5	5.5	3.5	7.5	5.0/7.5	0.5	H1D2A683-B+	10.0	8.5	5.0	7.5	5.0/7.5	0.6	H1D2E683-B+
823	0.082	9.5	5.5	3.5	7.5	5.0/7.5	0.5	H1D2A823-B+	13.0	8.5	4.5	10.0	5.0/7.5/10.0	0.6	H1D2E823-C+
104	0.10	10.0	7.0	3.8	7.5	5.0/7.5	0.5	H1D2A104-B+	13.0	9.5	4.5	10.0	5.0/7.5/10.0	0.6	H1D2E104-C+
124	0.12	10.0	7.5	3.8	7.5	5.0/7.5	0.5	H1D2A124-B+	13.0	10.0	5.0	10.0	5.0/7.5/10.0	0.6	H1D2E124-C+
154	0.15	10.0	8.0	4.0	7.5	5.0/7.5	0.5	H1D2A154-B+	13.0	10.5	5.0	10.0	5.0/7.5/10.0	0.6	H1D2E154-C+
184	0.18	10.0	8.0	4.3	7.5	5.0/7.5	0.5	H1D2A184-B+	13.0	11.0	5.5	10.0	5.0/7.5/10.0	0.6	H1D2E184-C+
224	0.22	10.0	8.0	4.5	7.5	5.0/7.5	0.5	H1D2A224-B+	13.0	11.5	6.0	10.0	5.0/7.5/10.0	0.6	H1D2E224-C+
274	0.27	10.0	9.8	4.5	7.5	5.0/7.5	0.5	H1D2A274-B+	18.0	10.5	5.0	15.0	5.0/7.5/15.0	0.6	H1D2E274-D+
334	0.33	10.0	11.0	4.5	7.5	5.0/7.5	0.5	H1D2A334-B+	18.0	12.0	5.0	15.0	5.0/7.5/15.0	0.6	H1D2E334-D+
394	0.39	10.0	11.5	5.0	7.5	5.0/7.5	0.5	H1D2A394-B+	18.0	12.5	5.5	15.0	5.0/7.5/15.0	0.6	H1D2E394-D+
474	0.47	10.0	12.0	5.3	7.5	5.0/7.5	0.5	H1D2A474-B+	18.0	13.0	6.0	15.0	5.0/7.5/15.0	0.6	H1D2E474-D+
564	0.56	12.5	10.5	5.3	10.0	5.0/7.5/10.0	0.6	H1D2A564-C+	18.0	15.0	6.0	15.0	5.0/7.5/15.0	0.6	H1D2E564-D+
684	0.68	12.5	10.5	6.4	10.0	5.0/7.5/10.0	0.6	H1D2A684-C+	18.0	15.5	7.0	15.0	5.0/7.5/15.0	0.8	H1D2E684-D+
824	0.82	12.5	13.5	5.7	10.0	5.0/7.5/10.0	0.6	H1D2A824-C+	25.0	15.0	6.0	22.5	22.5	0.8	H1D2E824-F+
105	1.0	12.5	14.0	6.0	10.0	5.0/7.5/10.0	0.6	H1D2A105-C+	25.0	15.5	6.5	22.5	22.5	0.8	H1D2E105-F+
125	1.2	18.0	12.0	5.5	15.0	5.0/7.5/10.0	0.8	H1D2A125-D+	25.0	16.0	7.3	22.5	22.5	0.8	H1D2E125-F+
155	1.5	18.0	13.0	6.0	15.0	5.0/7.5/15.0	0.8	H1D2A155-D+	25.0	17.0	8.0	22.5	22.5	0.8	H1D2E155-F+
185	1.8	18.0	13.5	6.5	15.0	5.0/7.5/15.0	0.8	H1D2A185-D+	25.0	17.5	9.0	22.5	22.5	0.8	H1D2E185-F+
225	2.2	18.0	14.0	7.3	15.0	5.0/7.5/15.0	0.8	H1D2A225-D+	30.0	17.5	8.5	27.5	22.5	0.8	H1D2E225-F+
275	2.7	25.0	13.5	6.5	22.5	22.5	0.8	H1D2A275-F+	30.0	18.5	10.0	27.5	22.5	0.8	H1D2E275-F+
335	3.3	25.0	15.0	7.0	22.5	22.5	0.8	H1D2A335-F+	30.0	19.5	11.0	27.5	22.5	0.8	H1D2E335-F+
395	3.9	25.0	16.0	7.5	22.5	22.5	0.8	H1D2A395-F+							
475	4.7	25.0	17.0	8.0	22.5	22.5	0.8	H1D2A475-F+							

TYPE H1D	Cap (μF)	H1D 400V.d.c						Part number	H1D 630V.d.c						Part number
		L	H	T	P	S	dΦ		L	H	T	P	S	dΦ	
102	0.0010								12.5	7.5	4.5	10.0	5.0/7.5/10.0	0.6	H1D2J102-C+
122	0.0012								12.5	7.5	4.5	10.0	5.0/7.5/10.0	0.6	H1D2J122-C+
152	0.0015								12.5	7.5	4.5	10.0	5.0/7.5/10.0	0.6	H1D2J152-C+
182	0.0018								12.5	7.5	4.5	10.0	5.0/7.5/10.0	0.6	H1D2J182-C+
222	0.0022								12.5	7.5	4.5	10.0	5.0/7.5/10.0	0.6	H1D2J222-C+
272	0.0027								12.5	7.5	4.5	10.0	5.0/7.5/10.0	0.6	H1D2J272-C+
332	0.0033								12.5	7.5	4.5	10.0	5.0/7.5/10.0	0.6	H1D2J332-C+
392	0.0039								12.5	7.5	4.5	10.0	5.0/7.5/10.0	0.6	H1D2J392-C+
472	0.0047								12.5	10.0	5.0	10.0	5.0/7.5/10.0	0.6	H1D2J472-C+
562	0.0056								12.5	10.0	5.0	10.0	5.0/7.5/10.0	0.6	H1D2J562-C+
682	0.0068								12.5	10.0	5.0	10.0	5.0/7.5/10.0	0.6	H1D2J682-C+
822	0.0082								12.5	10.0	5.0	10.0	5.0/7.5/10.0	0.6	H1D2J822-C+
103	0.010								13.0	7.5	4.0	10.0	5.0/7.5/10.0	0.6	H1D2J103-C+
123	0.012								13.0	8.0	4.5	10.0	5.0/7.5/10.0	0.6	H1D2J123-C+
153	0.015								13.0	9.5	4.0	10.0	5.0/7.5/10.0	0.6	H1D2J153-C+
183	0.018								13.0	10.0	4.5	10.0	5.0/7.5/10.0	0.6	H1D2J183-C+
223	0.022	13.0	7.0	4.0	10.0	5.0/7.5/10.0	0.6	H1D2G223-C+	13.0	10.5	5.0	10.0	5.0/7.5/10.0	0.6	H1D2J223-C+
273	0.027	13.0	7.5	4.5	10.0	5.0/7.5/10.0	0.6	H1D2G273-C+	13.0	10.5	5.5	10.0	5.0/7.5/10.0	0.6	H1D2J273-C+
333	0.033	13.0	9.0	4.5	10.0	5.0/7.5/10.0	0.6	H1D2G333-C+	13.0	11.0	5.5	10.0	5.0/7.5/10.0	0.6	H1D2J333-C+
393	0.039	13.0	9.5	4.5	10.0	5.0/7.5/10.0	0.6	H1D2G393-C+	13.0	10.5	7.0	10.0	5.0/7.5/10.0	0.6	H1D2J393-C+
473	0.047	13.0	10.0	5.0	10.0	5.0/7.5/10.0	0.6	H1D2G473-C+	18.0	10.5	5.0	15.0	5.0/7.5/10.0	0.6	H1D2J473-D+
563	0.056	13.0	10.5	5.0	10.0	5.0/7.5/10.0	0.6	H1D2G563-C+	18.0	11.0	5.5	15.0	5.0/7.5/10.0	0.6	H1D2J563-D+
683	0.068	13.0	10.0	6.5	10.0	5.0/7.5/10.0	0.6	H1D2G683-C+	18.0	11.0	6.0	15.0	5.0/7.5/10.0	0.6	H1D2J683-D+
823	0.082	13.0	10.5	7.0	10.0	5.0/7.5/10.0	0.6	H1D2G823-C+	18.0	13.5	6.0	15.0	5.0/7.5/10.0	0.6	H1D2J823-D+
104	0.10	18.0	10.5	5.0	15.0	5.0/7.5/15.0	0.6	H1D2G104-D+	18.0	14.0	6.5	15.0	5.0/7.5/10.0	0.6	H1D2J104-D+
124	0.12	18.0	11.0	5.5	15.0	5.0/7.5/15.0	0.6	H1D2G124-D+	18.0	15.5	6.5	15.0	5.0/7.5/10.0	0.6	H1D2J124-D+
154	0.15	18.0	12.0	6.5	15.0	5.0/7.5/15.0	0.6	H1D2G154-D+	25.0	13.5	6.0	22.5	22.5	0.8	H1D2J154-F+
184	0.18	18.0	12.5	7.0	15.0	5.0/7.5/15.0	0.6	H1D2G184-D+	25.0	14.0	6.5	22.5	22.5	0.8	H1D2J184-F+
224	0.22	18.0	15.0	6.5	15.0	5.0/7.5/15.0	0.6	H1D2G224-D+	25.0	16.0	7.0	22.5	22.5	0.8	H1D2J224-F+
274	0.27	18.0	15.0	8.0	15.0	5.0/7.5/15.0	0.8	H1D2G274-D+	25.0	17.0	8.0	22.5	22.5	0.8	H1D2J274-F+
334	0.33	18.0	15.5	8.5	15.0	5.0/7.5/15.0	0.8	H1D2G334-D+	25.0	17.5	8.5	22.5	22.5	0.8	H1D2J334-F+
394	0.39	18.0	16.5	9.0	15.0	5.0/7.5/15.0	0.8	H1D2G394-D+	25.0	18.5	9.5	22.5	22.5	0.8	H1D2J394-F+
474	0.47	25.0	17.5	7.0	22.5	22.5	0.8	H1D2G474-F+	30.0	19.0	8.5	27.5	27.5	0.8	H1D2J474-G+
564	0.56	25.0	18.0	7.5	22.5	22.5	0.8	H1D2G564-F+	30.0	20.0	9.5	27.5	27.5	0.8	H1D2J564-G+
684	0.68	25.0	19.0	8.5	22.5	22.5	0.8	H1D2G684-F+	30.0	21.0	10.5	27.5	27.5	0.8	H1D2J684-G+
824	0.82	25.0	19.5	9.5	22.5	22.5	0.8	H1D2G824-F+							
105	1.0	25.0	20.5	10.5	22.5	22.5	0.8	H1D2G105-F+							
125	1.2	25.0	21.5	11.5	22.5	22.5	0.8	H1D2G125-F+							
155	1.5	30.0	21.5	11.5	27.5	27.5	0.8	H1D2G155-G+							

金属化聚酯薄膜电容器(浸渍型)

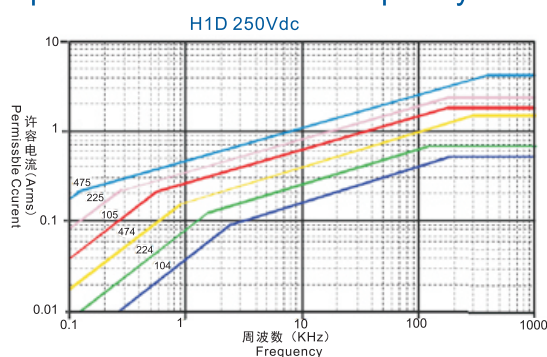
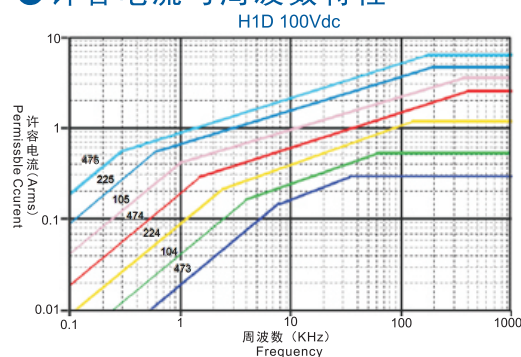
Metallized polyester capacitor(Dipped)

TYPE H1D	Cap (μ F)	H1D 1000V.d.c						Part number	H1D 1250V.d.c						Part number
		L	H	T	P	S	d Φ		L	H	T	P	S	d Φ	
102	0.0010	19.0	10.5	5.5	15.5	10.0	0.6	H1D3A102-D+	19.0	10.5	5.5	15.5	10.0	0.6	H1D3B102-D+
122	0.0012	19.0	10.5	5.5	15.5	10.0	0.6	H1D3A122-D+	19.0	10.5	5.5	15.5	10.0	0.6	H1D3B122-D+
152	0.0015	19.0	10.5	5.5	15.5	10.0	0.6	H1D3A152-D+	19.0	10.5	5.5	15.5	10.0	0.6	H1D3B152-D+
182	0.0018	19.0	10.5	5.5	15.5	10.0	0.6	H1D3A182-D+	19.0	10.5	5.5	15.5	10.0	0.6	H1D3B182-D+
222	0.0022	19.0	11.0	5.5	15.5	10.0	0.6	H1D3A222-D+	19.0	11.0	5.5	15.5	10.0	0.6	H1D3B222-D+
272	0.0027	19.0	11.0	6.0	15.5	10.0	0.6	H1D3A272-D+	19.0	11.0	6.0	15.5	10.0	0.6	H1D3B272-D+
332	0.0033	19.0	11.0	6.0	15.5	10.0	0.6	H1D3A332-D+	19.0	11.0	6.0	15.5	10.0	0.6	H1D3B332-D+
392	0.0039	19.0	11.5	6.5	15.5	10.0	0.6	H1D3A392-D+	19.0	11.5	6.5	15.5	10.0	0.6	H1D3B392-D+
472	0.0047	19.0	12.0	6.5	15.5	10.0	0.6	H1D3A472-D+	19.0	12.0	6.5	15.5	10.0	0.6	H1D3B472-D+
562	0.0056	19.0	13.0	7.0	15.5	10.0	0.6	H1D3A562-D+	19.0	13.0	7.0	15.5	10.0	0.6	H1D3B562-D+
682	0.0068	19.0	13.5	7.5	15.5	10.0	0.6	H1D3A682-D+	19.0	13.5	7.5	15.5	10.0	0.6	H1D3B682-D+
822	0.0082	19.0	13.5	7.5	15.5	12.5	0.6	H1D3A822-D+	26.0	12.0	6.0	22.5	12.5	0.6	H1D3B822-F+
103	0.010	19.0	13.0	7.0	15.5	12.5	0.6	H1D3A103-D+	26.0	12.5	6.5	22.5	12.5	0.6	H1D3B103-F+
123	0.012	19.0	13.0	7.5	15.5	12.5	0.6	H1D3A123-D+	26.0	12.5	6.5	22.5	12.5	0.6	H1D3B123-F+
153	0.015	19.0	14.0	8.0	15.5	12.5	0.6	H1D3A153-D+	26.0	14.0	6.5	22.5	12.5	0.6	H1D3B153-F+
183	0.018	19.0	15.0	8.0	15.5	12.5	0.6	H1D3A183-D+	26.0	14.5	7.0	22.5	12.5	0.6	H1D3B183-F+
223	0.022	19.0	16.0	8.5	15.5	12.5	0.6	H1D3A223-D+	26.0	15.0	8.0	22.5	12.5	0.6	H1D3B223-F+
273	0.027	26.0	15.0	7.0	22.5	12.5	0.8	H1D3A273-F+	31.0	15.5	8.0	27.5	17.5	0.8	H1D3B273-G+
333	0.033	26.0	15.5	7.5	22.5	12.5	0.8	H1D3A333-F+	31.0	16.0	8.5	27.5	17.5	0.8	H1D3B333-G+
393	0.039	26.0	17.0	7.5	22.5	12.5	0.8	H1D3A393-F+	31.0	17.0	8.5	27.5	17.5	0.8	H1D3B393-G+
473	0.047	26.0	17.5	8.5	22.5	12.5	0.8	H1D3A473-F+	31.0	18.0	9.0	27.5	17.5	0.8	H1D3B473-G+
563	0.056	26.0	18.0	9.0	22.5	12.5	0.8	H1D3A563-F+	34.0	18.0	9.0	30.5	22.5	0.8	H1D3B563-X+
683	0.068	26.0	19.0	10.0	22.5	12.5	0.8	H1D3A683-F+	34.0	20.0	9.5	30.5	22.5	0.8	H1D3B683-X+
823	0.082	26.0	20.0	10.0	22.5	12.5	0.8	H1D3A823-F+	34.0	20.5	10.0	30.5	22.5	0.8	H1D3B823-X+
104	0.10	26.0	22.0	10.5	22.5	12.5	0.8	H1D3A104-F+	34.0	22.0	10.5	30.5	22.5	0.8	H1D3B104-X+
124	0.12	31.0	20.5	10.5	27.5	17.5	0.8	H1D3A124-G+							
154	0.15	31.0	22.0	11.5	27.5	17.5	0.8	H1D3A154-G+							
184	0.18	31.0	23.0	12.5	27.5	17.5	0.8	H1D3A184-G+							
224	0.22	31.0	24.0	13.5	27.5	17.5	0.8	H1D3A224-G+							

使用电容时, 请确认注意事项。如想了解详细的产品特性等信息时, 请与我们联系。

When using our capacitors, please consider the application contact Nistrionics for the any additional technical specifications relating to the limits of our performance characteristics.

● 许容电流与周波数特性 Characteristics of permissible current to frequency



» 金属化聚酯薄膜电容器(浸渍型)

Metallized polyester capacitor(Dipped)

