

HDB- Metallized Polyester Film Capacitors (CL21)

Features

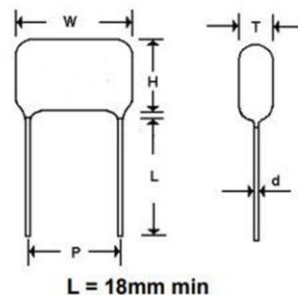
Excellent Self-healing performance
Metallized Polyester Film, non-inductive construction, high moisture resistance.
Coated with epoxy resin

Typical application

Blocking, Coupling, By-passing, Filtering
Widely used in White goods, Lighting, LED driver etc.

Specification

Reference Standard	GB7332 (IEC60384-2)
Operating Temperature	-40°C~+85°C
Rated Voltage	100V, 250V, 400V, 630V (DC)
Dissipation Factor	≤0.01 1KHz
Capacitance Range	0.01 μF~10 μF
Capacitance Tolerance:	±5%, ±10%
Insulation Resistance	$C_R \leq 0.33\mu F$ I.R≥30000MΩ $C_R > 0.33\mu F$ I.R≥10000S(MΩ/μF)



Size Unit: mm

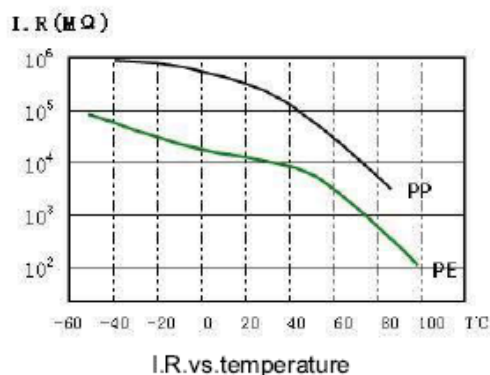
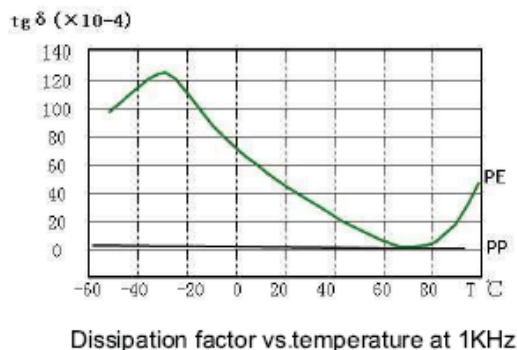
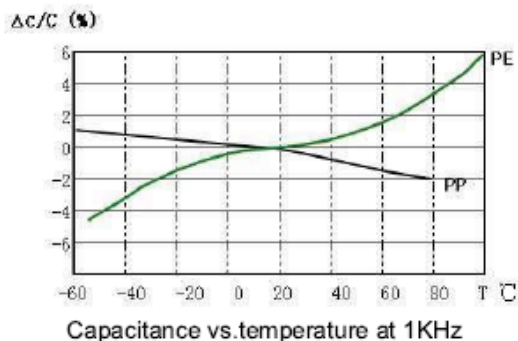
Cap. μF	Code	100V					250V					400V					630V				
		W max	T max	H max	P	d	W max	T max	H max	P	d	W max	T max	H max	P	d	W max	T max	H max	P	d
0.01	103	13	6	9	10	0.6	13	6	9	10	0.6	13	6	9	10	0.6	13	6	9	10	0.6
0.015	153	13	6	9	10	0.6	13	6	9	10	0.6	13	6	9	10	0.6	13	6	9	10	0.6
0.018	183	13	6	9	10	0.6	13	6	9	10	0.6	13	6	11	10	0.6	13	6	11	10	0.6
0.022	223	13	6	9	10	0.6	13	6	9	10	0.6	13	7	11	10	0.6	13	7	11	10	0.6
												18	6	9	15	0.8					
0.027	273	13	6	9	10	0.6	13	6	9	10	0.6	13	6	9	10	0.6	13	6	9	10	0.6
0.033	333	13	6	10	10	0.6	13	6	10	10	0.6	13	6	10	10	0.6	13	6	10	10	0.6
																	18	6	10	15	0.8
0.039	393	13	6	10	10	0.6	13	7	10	10	0.6	13	6	10	10	0.6	13	6	10	10	0.6
																	18	7	11	15	0.8
0.047	473	13	7.0	10.5	10	0.6	13	7	10.5	10	0.6	13	7	10.5	10	0.6	13	7	10.5	10	0.6
												18	7	11	15	0.8	18	7	10.5	15	0.8
0.056	563	13	6.0	9.0	10	0.6	13	6	9	10	0.6	13	6	9	10	0.6	13	8	11	10	0.6
																	18	6	9	15	0.8
0.068	683	13	6.5	10	10	0.6	13	6.5	10	10	0.6	13	6.5	10	10	0.6	13	8	12	10	0.6
																	18	6	10	15	0.8
0.082	823	13	7.0	10.0	10	0.6	13	7	10	10	0.6	13	7	10	10	0.6	13	7.5	12	10	0.6
0.1	104	13	7.0	10.0	10	0.6	13	7	10	10	0.6	13	7	11	10	0.6	13	8	13	10	0.6
												18	6.5	12	15	0.8	18	6.5	12	15	0.8
																	23	8	13	20	0.8
0.15	154	13	7.0	10	10	0.6	13	7	10	10	0.6	13	7.5	12	10	0.6	18	8	13.5	15	0.8
												18	6	10	15	0.8					
0.18	184	13	7.0	10	10	0.6	13	7	11	10	0.6	18	7	11.5	15	0.8	18	8	13.5	15	0.6
												25	6	11.5	22.5	0.8	25	7	12	22.5	0.8
0.22	224	13	7.0	11	10	0.6	13	8	12	10	0.6	13	9	13.5	10	0.6	18	9.5	14.5	15	0.8
							18	7	11.5	15	0.8	18	7	11.5	15	0.8	23	8	13	20	0.8
												23	6	10	20	0.8	25	7	12.5	22.5	0.8

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Size Unit: mm

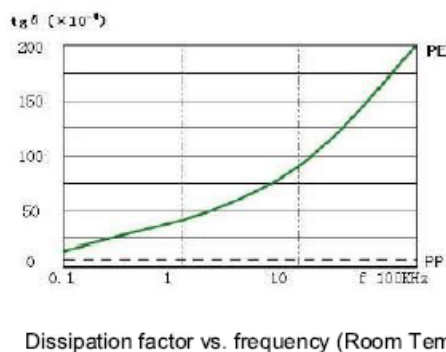
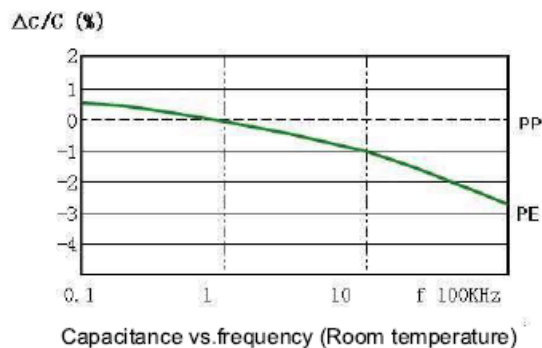
Cap. μF	Code	100V					250V					400V					630V				
		W max	T max	H max	P	d	W max	T max	H max	P	d	W max	T max	H max	P	d	W max	T max	H max	P	d
0.27	274	13	7.0	11.0	10	0.6	18	6	10	15	0.8	18	7	12.5	15	0.8	23	8	14	20	0.8
		18	6.0	11.0	15	0.8															
0.33	334	13	7.0	11.0	10	0.6	13	7.5	13.5	10	0.6	18	8	13	15	0.8	23	9	14	20	0.8
		18	6.0	11.0	15	0.8	18	6	11	15	0.8	23	7	12	20	0.8	25	8.5	14	22.5	0.8
												25	6	10.5	22.5	0.8	31	7.5	13	27.5	0.8
0.39	394	13	8.0	12.0	10	0.6	18	7	11	15	0.8	18	8	14	15	0.8	23	9	15.5	20	0.8
		18	7.0	11.0	15	0.8											31	7.5	14	27.5	0.8
0.47	474	13	7	13	10	0.6	18	7	12	15	0.8	18	9	15	15	0.8	23	10	17	20	0.8
		18	7	12	15	0.8						23	7	14	20	0.8	25	9	16	22.5	0.8
												25	7	14	22.5	0.8	31	8	15.5	27.5	0.8
0.5	504	18	6	11	15	0.8	18	7.5	12.5	15	0.8	18	8.5	15	15	0.8	23	10.5	17.5	20	0.8
0.56	564	13	7	12	10	0.6	18	8	13	15	0.8	18	9	16	15	0.8	23	11	18	20	0.8
		18	7	12	15	0.8						23	8	15	20	0.8	25	10.5	17	22.5	0.8
												25	8	13.5	22.5	0.8					
0.68	684	13	7	12	10	0.6	18	9	14	15	0.8	18	11	16	15	0.8	23	12	19	20	0.8
		18	7	12.5	15	0.8						23	8	15	20	0.8					
												25	8	15	22.5	0.8					
												31	7	14	27.5	0.8					
0.82	824	18	7.5	13	15	0.8	18	9	15	15	0.8	23	9	16	20	0.8	31	10	19	27.5	0.8
												25	8.5	16	22.5	0.8					
1.0	105	18	8	13	15	0.8	18	10	16	15	0.8	23	10	16.5	20	0.8	31	11.5	20	27.5	0.8
							23	8	15	20	0.8	25	10	16	22.5	0.8					
												31	8.5	15	27.5	0.8					
1.2	125	18	9.5	14.5	15	0.8	18	11	16	15	0.8	23	11	18	20	0.8	31	12	21	27.5	0.8
		23	8	13	20	0.8	23	9	16	20	0.8	31	9	15.5	27.5	0.8					
1.5	155	18	10	15	15	0.8	23	10	16.5	20	0.8						31	13.5	23	27.5	0.8
		23	8	14.5	20	0.8	25	9	16	22.5	0.8	25	12	19	22.5	0.8					
												31	10	17	27.5	0.8					
1.8	185	23	8	17	20	0.8	23	11	17.5	20	0.8	25	12	20.5	22.5	0.8					
												31	10	18.5	27.5	0.8					
2.0	205	23	8.5	17	20	0.8	25	11	17.5	22.5	0.8	31	12	18.5	27.5	0.8					
							31	10	16.5	27.5	0.8										
2.2	225	23	10	17	20	0.8	23	12	18.5	20	0.8	31	12	21	27.5	0.8					
							25	11.5	18	22.5	0.8										
							31	10	17	27.5	0.8										
2.5	255	23	10	17	20	0.8	31	10	18.5	27.5	0.8	31	12.5	21	27.5	0.8					
2.7	275	23	10	18	20	0.8	23	13	19.5	20	0.8	31	13	21	27.5	0.8					
							31	11	18	27.5	0.8										
2.9	295	23	10.5	18.5	20	0.8															
3.0	305						31	12	18.5	27.5	0.8										
3.3	335	23	11	19	20	0.8	31	12	20	27.5	0.8										
4.5	455	25	12	20	22.5	0.8	31	13.5	21.5	27.5	0.8										
		31	11	19	27.5	0.8															

Temperature Characteristics

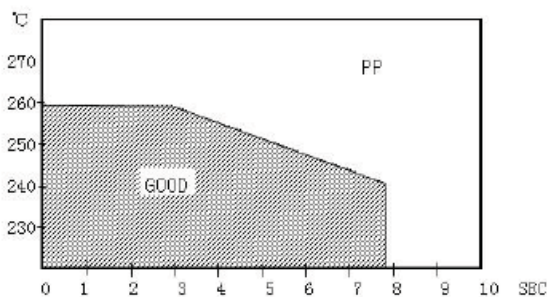
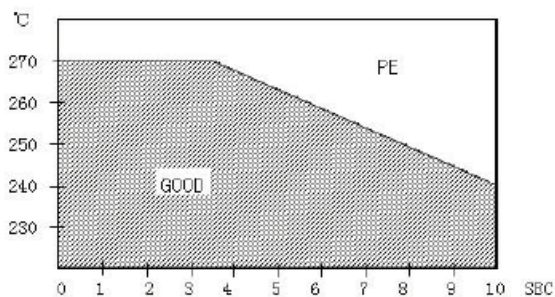


PE: Polyester Film
PP: Polypropylene Film

Frequency Characteristics



Soldering temperature vs time



Important Note: CL21 Metallized Polyester Capacitors is not suitable for reflow soldering welding.

Notice: 1) Our specification is subject to change without notice, please visit our website to get the latest specification.
2) We only list part of values we can produce, other values are available also upon request.