

Metallized Polyester Capacitor

Type: **WMEA (CL20)**

Non-inductive axial flat construction, using Metallized Polyester Film, with plastic wrapping and epoxy end seal.

• Features

- * Self-healing property
- * Excellent electrical characteristics



• Applications

- * Audio-circuit, logic and timing circuits,
- * DC blocking, by pass and coupling
- * Automatic machines working at high temperature.

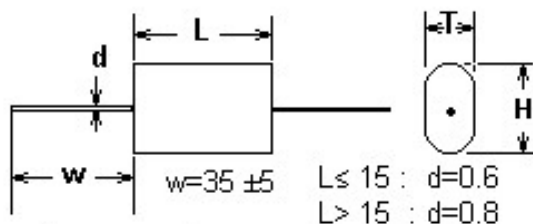
• Explanation of Part Numbers

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
M	C	L	2	0												
Type		Rated volt.			Capacitance			Cap.Tol.	Pitch	Colour	Code					

• Specifications (IEC384- 2 GB7335- 87)

Category temp. range	- 40°C ~ +105°C						
Rated voltage	100VDC, 250VDC, 400VDC, 630VDC						
Capacitance range	0.01 ~ 22μF (at: 20°C, 1KHZ)						
Capacitance tolerance	J (± 5%), K (±10%), M(±20%)						
Dissipation factor	C _R ≤1μF: 1.3% max (20°C /10KHZ) C _R >1μF: 1.0% max (20°C /1KHZ)						
Withstand voltage	1.6 V _R 2s						
Maximum pulse slope at V _R	U _R	100V	250V	400V	630V	dV/dt	
	L=13-15	10	22	28	44	V/μs	
	L=20	6.6	15	22	33	V/μs	
	L=25-27	4.4	10	14	22	V/μs	
Insulation resistance	L=32-36	2.2	5.5	7.7	12	V/μs	
	63VDC, 100VDC:	C _R ≤0.33μF 7500MΩ min C _R >0.33μF 2500 s min		(20°C/10VDC/60s)			
	250VDC, 400VDC:	C _R ≤0.33μF 15000MΩ min C _R >0.33μF 5000 s min		(20°C/100VDC/60s)			
	630VDC, 1000VDC:	C _R ≤0.33μF 15000MΩ min C _R >0.33μF 5000 s min		(20°C/500VDC/60s)			

• **FORM:**



• **Dimensions WMEA (CL20)**

Capacitance	code	100VDC			250VDC			400VDC			630VDC		
		W max	H max	T max	W max	H max	T max	W max	H max	T max	W max	H max	T max
10nF	103										13	7.5	4
15nF	153										13	7.8	4.4
22nF	223										15	7.7	4.2
33nF	333							13	7.1	4.2	15	9.0	4.7
47nF	473				13	7.4	3.6	13	7.8	5.0	15	9.7	5.4
47nF	473							15	8.0	4.3			
68nF	683				13	7.7	4.2	13	10.0	5.7	15	10.7	6.4
68nF	683							15	8.7	5.0			
0.1µF	104				13	8.7	5.0	15	9.7	6.0	15	12.0	7.7
0.10µF	104				15	9.0	4.0				20	11.0	5.1
0.15µF	154	13	7.6	3.7	15	10.0	5.3	15	11.5	7.0	20	12.0	6.2
0.15µF	154							20	9.5	5.0			
0.22µF	224	13	8.3	4.5	15	10.4	6.6	20	12.1	6.0	20	13.3	7.4
0.22µF	224	15	7.8	4.0	20	9.2	4.6	27	9.2	4.7	27	11.6	5.8
0.33µF	334	15	8.5	4.6	20	10.1	5.5	20	12.7	6.7	27	14.0	6.5
0.33µF	334							27	10.1	5.7			
0.47µF	474	15	9.5	5.5	20	11.1	6.5	20	14.0	8.0	27	15.3	7.8
0.47µF	474							27	11.4	7.0			
0.68µF	684	20	10.8	4.5	20	13.0	7.5	27	14.5	7.0	27	17.0	9.6
0.68µF	684				27	11.7	5.5				32	16.0	8.3
1µF	105	15	16.0	6.5	20	15.0	9.0	27	16.1	8.5	32	18.7	9.6
1µF	105	20	10.7	6.0	25	14.5	6.6	32	15.0	7.3	36	17.8	8.7
1µF	105				27	13.0	6.7						
1.5µF	155	20	10.3	6.7	25	15.0	9.0	27	18.2	10.6	32	21.1	12.1
1.5µF	155				27	14.5	8.5	32	16.8	9.2	36	20.0	11.0
1.5µF	155				32	13.5	7.3						
2.2µF	225	20	14.5	8.3	25	18.0	10.2	32	19.0	11.3	32	24.0	15.0
2.2µF	225	27	13.0	7.0	27	17.4	9.6	36	18.7	9.6	36	22.6	13.6
2.2µF	225				32	16.1	8.3						
3.3µF	335	25	16.0	8.1	27	19.8	12.1	32	22.5	13.4	32	26.0	14.5
3.3µF	335	27	15.4	7.6	32	18.2	10.4	36	21.2	12.1	36	26.1	17.1
4.7µF	475	27	17.1	9.3	32	21.4	12.1	32	25.5	16.5	36	30.0	21.0
4.7µF	475	32	15.8	8.0	36	20.2	10.9	36	23.9	14.8			
6.8µF	685	32	18.7	9.3	32	24.2	15.0	36	27.5	18.5			
6.8µF	685	36	17.8	8.4	36	23.0	13.5						
10µF	106	32	26.4	11.7	32	28.0	18.6						
10µF	106	36	25.1	10.5	36	26.1	16.8						
15µF	156	36	28.3	13.4									
22µF	226	36	32.0	16.7									

Inquiry for capacitance/dimension not listed, please contact with us.