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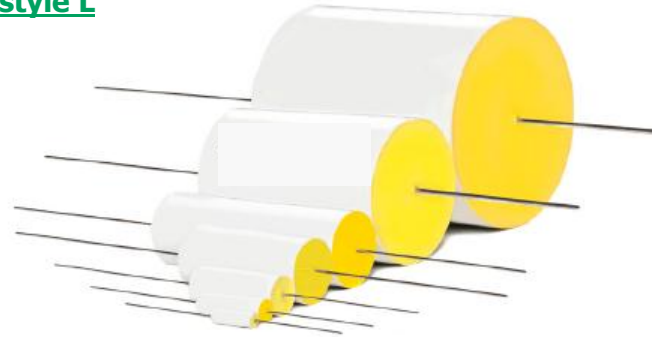
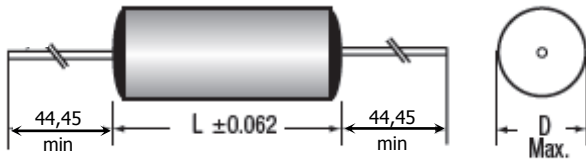
**METALLIZED POLYPROPYLENE FILM CAPACITORS**

REFERENCE : **E 735 P**

**DRAWING**

Dimensions in mm

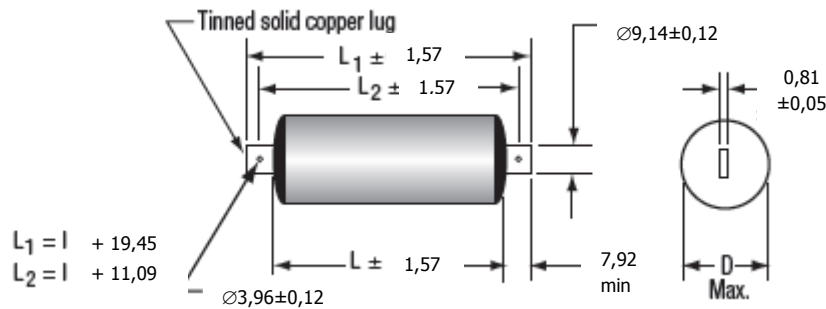
**Terminal style L**



**LEAD WIRE SIZES**

Case Diameter	Lead AWG
< 17,99 mm	0,812 (N° 20)
≥ 17,99 mm	1,01 (N° 18)

**Terminal style H**



**TECHNOLOGY**

Non-inductive wound metallized polypropylene  
Flame retardant tape wrap and epoxy end fill  
Solder coated cooper wire

**GENERAL CHARACTERISTICS**

Capacitance range  
Capacitance tolerance  
Voltage rating

Operating temperature  
Voltage derating

Dissipation factor

Insulation resistance measured at rated  $V_{DC}$  after a 2 min charge

- at +25°C
- at +105°C

1  $\mu$ F to 30  $\mu$ F  
 $\pm 20\%$ ,  $\pm 10\%$ ,  $\pm 5\%$   
100  $V_{DC}$  to 400  $V_{DC}$   
70  $V_{RMS}$  to 220  $V_{RMS}$   
- 55°C to + 105°C

There is not derating for DC operation

For AC operation derate 70% for applications above 85°C  
0,07% maximum

200,000  $M\Omega \cdot \mu$ F (need to exceed 400,000  $M\Omega$ )  
1,000  $M\Omega \cdot \mu$ F (need to exceed 2,000  $M\Omega$ )

Issue Indice	Date Date	Modif. nb N° modif.	Nature of modification Nature de la modification	Technical Technique	Manufacturing Production	Quality Qualité
A	24/09/2014		First issue			
EUROFARAD – Film Business Unit				Visa	Date / Visa	Date / Visa

## MAXIMUM PULSE RISE TIME

Capacitor length (mm)	Rise Time dV/dt (V/μs)		
	100V <sub>DC</sub> /70V <sub>AC</sub>	200V <sub>DC</sub> /140V <sub>AC</sub>	400V <sub>DC</sub> /220V <sub>AC</sub>
19,05 / 22,23	55	-	-
23,81 / 26,97	33	-	-
31,75 / 34,93	22	33	-
38,10 / 41,28	17	28	44
44,45 / 47,63	-	27	33
57,15 / 60,33	9	20	24

## MARKING

Model  
Capacitance – Tolerance  
Voltage

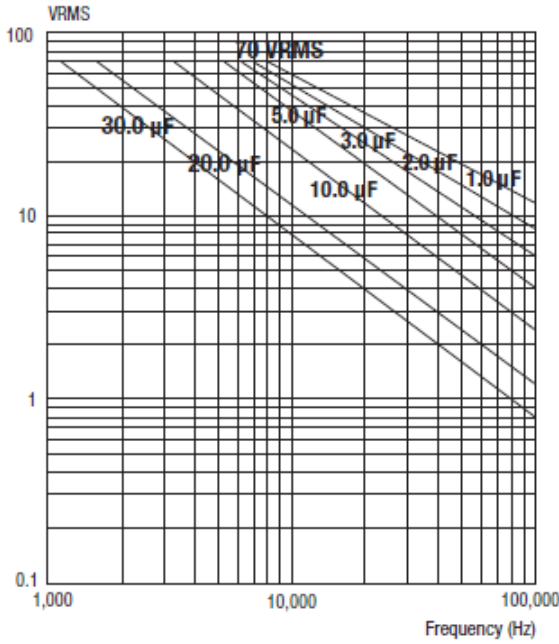
## STANDARD RATINGS

Capacitance μF	Case size (mm)		ESR Limit MΩ 20-100kHz	Maximum Ripple Current (Amps) at 20-100kHz						
	D	L		+25°C	+35°C	+45°C	+55°C	+65°C	+75°C	+85°C
<b>TERMINAL STYLE L – UNIT WITH WIRE LEADS</b>										
<b>100 V<sub>DC</sub> / 70 V<sub>AC</sub></b>										
1	13,49	19,05	15	9,2	8,5	7,8	7,0	6,0	4,9	4,5
2	15,14	23,81	12	10,8	10,0	9,1	8,2	7,0	5,8	5,3
3	18,21	23,81	11	12,1	11,2	10,3	9,2	8,0	6,5	5,9
5	18,62	31,75	10	13,8	12,7	11,6	10,4	9,0	7,4	6,7
10	22,81	38,10	10	15,0	15,0	14,2	12,7	11,0	9,0	8,2
20	25,40	57,15	10	15,0	15,0	15,0	15,0	13,6	11,1	10,0
30	30,48	57,15	9	15,0	15,0	15,0	15,0	15,0	12,4	11,4
<b>200 V<sub>DC</sub> / 140 V<sub>AC</sub></b>										
1	13,01	31,75	20	7,3	7,3	7,3	7,3	7,2	5,9	5,4
2	17,73	31,75	15	12,0	12,0	11,3	10,1	8,7	7,1	6,5
3	18,97	38,10	13	15,0	13,8	12,3	11,3	9,8	8,0	7,3
5	21,89	44,45	11	15,0	15,0	14,7	13,1	11,4	9,3	8,5
10	26,16	57,15	10	15,0	15,0	15,0	15,0	13,8	11,3	10,3
20	36,58	57,15	9	15,0	15,0	15,0	15,0	15,0	14,1	12,8
<b>400 V<sub>DC</sub> / 220 V<sub>AC</sub></b>										
1	18,11	38,10	19	9,5	9,5	9,5	9,5	9,5	7,8	7,1
2	22,73	44,45	15	15,0	15,0	15,0	13,4	11,6	9,5	8,7
3	27,58	44,45	14	15,0	15,0	15,0	15,0	13,1	10,7	9,8
5	30,28	57,15	12	15,0	15,0	15,0	15,0	15,0	12,5	11,4
10	42,37	57,15	9	15,0	15,0	15,0	15,0	15,0	15,0	14,1
<b>TERMINAL STYLE H – UNIT WITH TERMINAL LUGS</b>										
<b>100 V<sub>DC</sub> / 70 V<sub>AC</sub></b>										
1	13,49	22,23	15	10,3	9,5	8,7	7,8	6,7	5,5	5,0
2	15,14	26,97	12	12,0	11,0	10,0	8,9	7,8	6,3	5,8
3	18,21	26,97	11	13,3	12,3	11,2	10,0	8,7	7,1	6,5
5	18,62	34,93	10	14,8	13,7	12,5	11,2	9,7	7,9	7,2
10	22,81	41,28	10	17,8	16,5	15,0	13,5	11,7	9,5	8,7
20	25,40	60,33	10	21,6	20,0	18,3	16,4	14,2	11,6	10,6
30	30,48	60,33	9	24,3	22,5	20,5	18,5	15,9	13,0	11,9
<b>200 V<sub>DC</sub> / 140 V<sub>AC</sub></b>										
1	13,00	34,93	20	7,3	7,3	7,3	7,3	7,3	6,4	5,8
2	17,73	34,93	15	14,3	13,3	12,1	10,8	9,4	7,7	7,0
3	18,97	41,28	13	15,9	14,7	13,5	12,0	10,4	8,5	7,8
5	21,89	47,63	11	18,3	17,0	15,5	13,9	12,0	9,8	8,9
10	26,16	60,33	10	22,4	20,7	18,9	16,9	14,6	12,0	10,9
20	36,58	60,33	9	27,4	25,4	23,2	20,7	17,9	14,7	13,4
<b>400 V<sub>DC</sub> / 220 V<sub>AC</sub></b>										
1	18,11	41,28	19	9,5	9,5	9,5	9,5	9,5	8,3	7,5
2	22,73	47,63	15	15,0	15,0	15,0	14,2	12,3	10,0	9,1
3	27,58	47,63	14	21,1	19,5	17,8	15,9	13,8	11,3	10,3
5	30,28	60,33	12	24,4	22,6	20,6	18,5	16,0	13,1	11,9
10	42,37	60,33	9	30,0	27,8	25,4	22,7	19,7	16,1	14,7

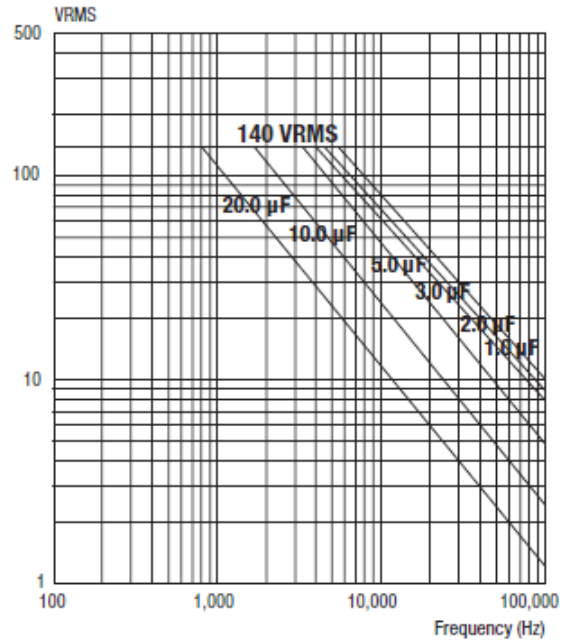
**VOLTAGE VS. FREQUENCY**

**Unit with wire leads**

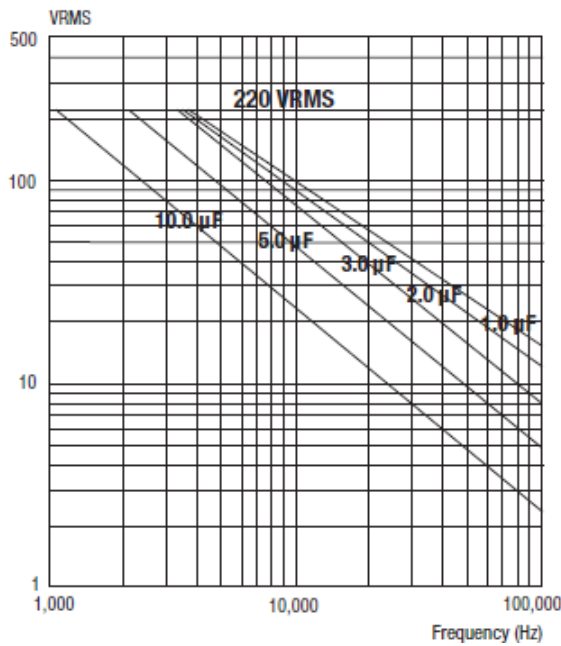
100 V<sub>DC</sub> / 70 V<sub>AC</sub>



200 V<sub>DC</sub> / 140 V<sub>AC</sub>

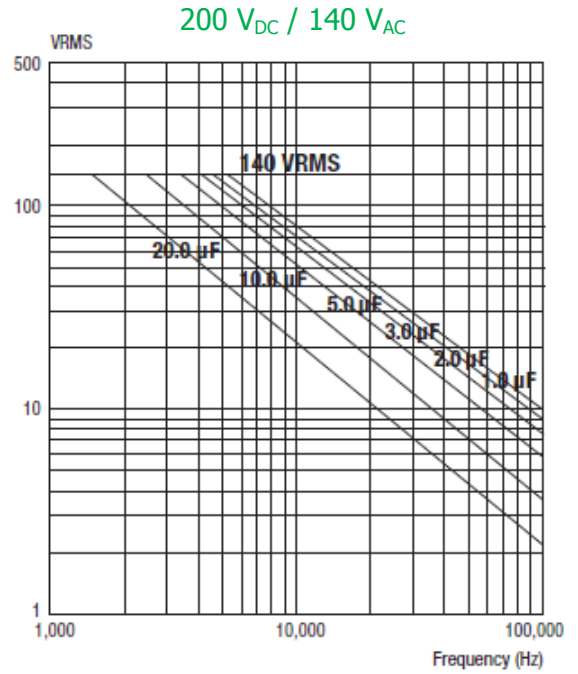
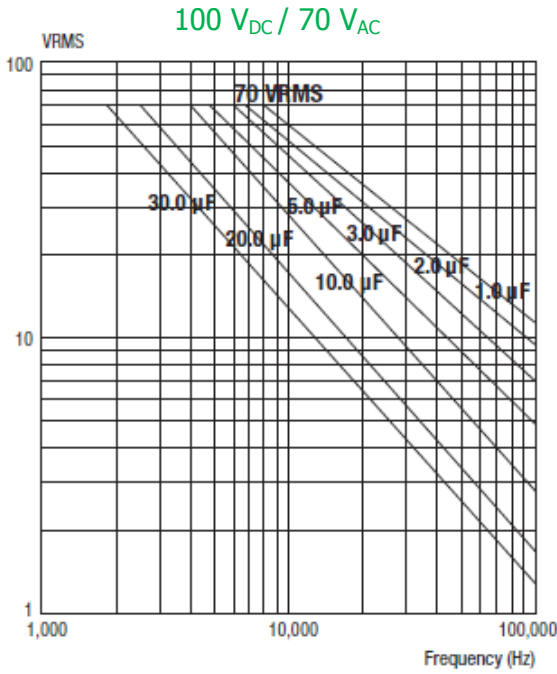


400 V<sub>DC</sub> / 220 V<sub>AC</sub>



**VOLTAGE VS. FREQUENCY**

Unit with terminal lug



400 V<sub>DC</sub> / 220 V<sub>AC</sub>

