



PWA

The PWA range of capacitors has long been established as a quality audio grade device.

Available at ratings of 160Vdc, 250Vdc, 400Vdc and 630Vdc, it offers audio engineers the maximum flexibility when considering components for their circuits.

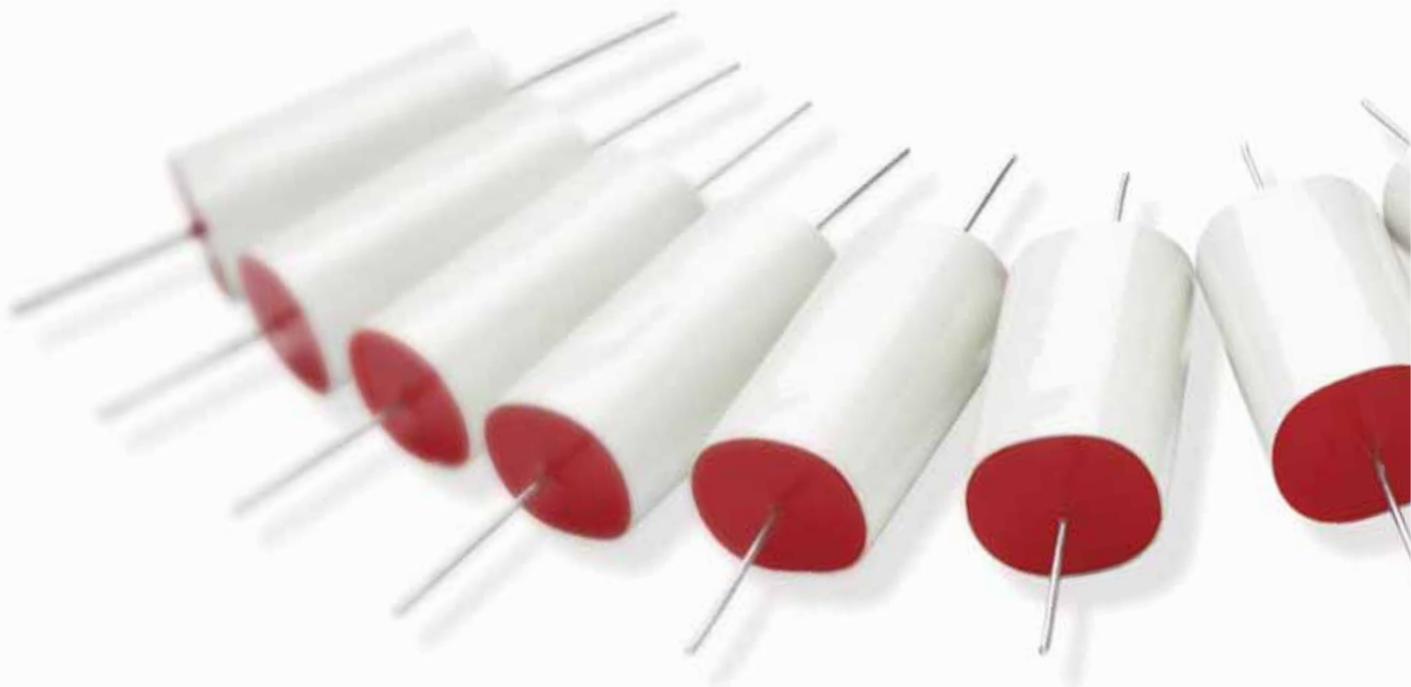
Wound from 4 μ m, 6 μ m, 8 μ m and 10 μ m metallised film respectively, components can be selected using their slightly differing sonic performances and aspect ratios to give the optimum solution desired.

Tape and resin colours are flexible with options shown on page 16. Unless specified, capacitors would be supplied with white tape and red resin.

Copper clad steel terminals are standard, however, others are available upon request.

Technical details

Capacitance range	See table
Tolerance	±5% standard. Others by request
Dissipation factor	≤ 0.001 @ 1KHz & 20±3°C
Insulation resistance	≥ 10 ⁴ MΩ·μF (C>330nF), ≥ 3 x 10 ⁴ MΩ (C≤ 330nF) @ rated voltage & 20±3°C
Rated voltage	160Vdc, 250Vdc, 400Vdc, 630Vdc
Dielectric absorption	≤ 0.1% @ 20±3°C
Temperature range	-55 to +100°C
Environmental category	55/100/56 to EN 60068 - 1 (IEC 68 - 1)
Proof voltage test	1.5 x rated voltage for 30s. Not to be repeated
Solderability	BS2011 : Part 2.1 T (IEC 68 - 2.20) Solder Globule Method of Test Ta
Vibration	EN 60068 - 2 - 6 (EIC 68 - 2 - 6) Test Fc 10 to 500 Hz 0.75mm or 100m/s ²
Bump	EN 60068 - 2 - 29 (EIC 68 - 2 - 29) Test Eb 400m/s ² 1000±10 bumps



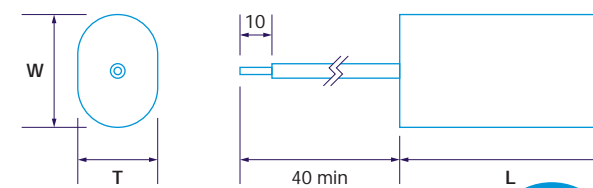
Size chart

CAP(μF)	160Vdc				250Vdc				400Vdc				630Vdc			
	L	W	T	t	L	W	T	t	L	W	T	t	L	W	T	t
0.068																
0.10																
0.15					20	10	5	0.6	20	11.5	7	0.6	20	13.5	8.5	0.6
0.22					20	11	6	0.6	20	13.5	8.5	0.6	30	12.5	8	0.6
0.33					20	12.5	8	0.6	20	16	11	0.6	30	14.5	10	0.6
0.47	20	11	6	0.6	20	15	10	0.6	20	18	13.5	0.8	30	16.5	12	0.8
0.68	20	12	7.5	0.6	20	17	12.5	0.8	30	17	12.5	0.8	30	19.5	15	0.8
1.0	20	14.5	10	0.6	30	16	11.5	0.8	30	20	15	0.8	34	20.5	15.5	0.8
1.5	30	14	9.5	0.8	30	19	14	0.8	30	23.5	19	0.8	34	24	19.5	0.8
2.2	30	16	11.5	0.8	30	22	17.5	0.8	30	28	23.5	0.8	34	28.5	24	0.8
3.3	30	18.5	14	0.8	30	26.5	22	0.8	34	29.5	25	0.8	47	28	23	0.8
4.7	34	19	14.5	0.8	34	27	22.5	0.8	34	34.5	30	0.8	47	33	28	0.8
6.8	34	22.5	17.5	0.8	34	32	27	0.8	47	33.5	28.5	0.8	47	39	34	0.8
10.0	34	26.5	22	0.8	47	31	26	0.8	47	39.5	34.5	0.8	47	46.5	41.5	0.8
15.0	47	26	21.5	0.8	47	37	32	0.8	47	47.5	42.5	0.8				
22.0	47	31	26	0.8	47	44	39	0.8	60	49	44	0.8				
33.0	47	37.5	33	0.8	60	46	41	0.8	60	59	54	0.8				
47.0	47	44	39	0.8	60	54	49	0.8								
68.0	47	52	47	0.8												
100.0	47	62	57	0.8												

Ordering details

PWA 150n J 400Vdc			
PWA 3μ3 J 160Vdc			
Cap Value	Tolerance	Rated Voltage dc	
μF for C ≥ 1μF	J = ±5%		
nF for C < 1μF			

Outline dimensions (maximum) in mm



Please note that intermediate capacitance values are available. Contact our sales department for details.

