



## ESA

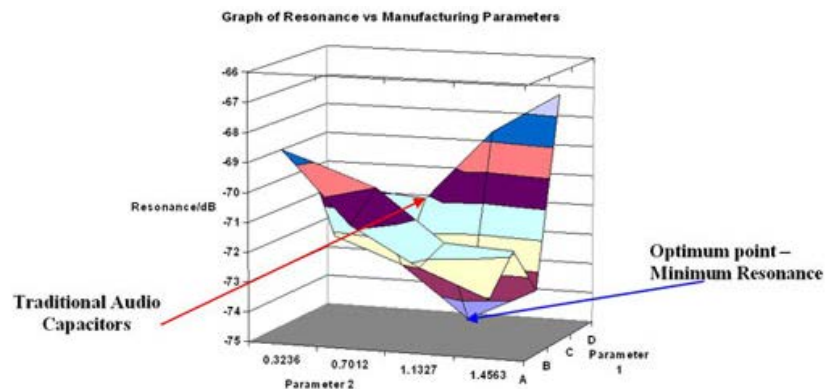


The ESA range has been developed as a direct result of the 2 year research programme conducted between ClarityCap and the world renowned Acoustics Research Centre at the University of Salford.

The performance of the ESA capacitors has been dramatically enhanced by reducing resonant sonic outputs from the capacitor winding itself. This is achieved by careful selection of the highest quality polypropylene base film combined with thick pure aluminium metallisation and close control of critical production processes. The resulting ESA range offers exceptional performance in audio applications at both 250Vdc and 630Vdc. A guaranteed 3% tolerance ensures component to component consistency for a balanced system and reproducibility across production runs.

As with all ClarityCap products tape and resin colours are flexible. Unless otherwise specified ESA capacitors are supplied with silver tape and black resin.

The graph below shows the relative sonic outputs between the SA (Traditional) and ESA (Optimum Point) ranges.



## SIZE CHART

### 250Vdc

Cap (nF/μF)	L (mm)	D (mm)
470n	19	13
680n	19	15
820n		
1u0	28	14
1u2	28	15
1u3		
1u5	28	16
1u8	28	18
2u2	28	19
2u7	28	21
3u0	28	22
3u3	28	23
3u9	33	22
4u7	33	25
5u6	33	26
6u2		
6u8	33	28
8u2	33	31
10u0	45	28
12u6		
15u0	45	34
16u0		
18u0	45	36
22u0	45	41
27u0	45	46
33u0	60	43
39u0	60	47
47u0	60	51
50u0		
68u0	60	61
100u0	60	74
155u0	60	90

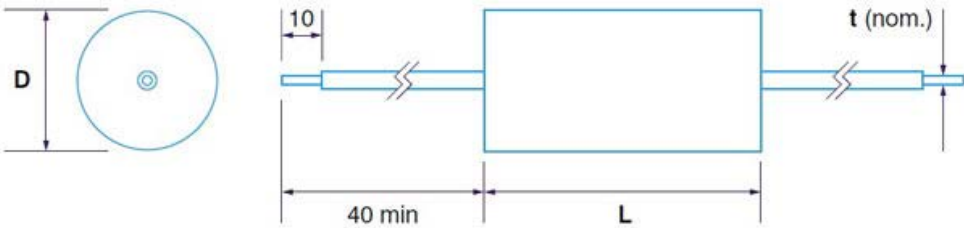
### 630Vdc

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Cap (nF/μF)	L (mm)	D (mm)
10n	16	9.5
15n	16	11.5
22n	16	13
33n	16	15.5
47n	16	18
68n	16	21.5
82n	16	23.5
100n	20	30
150n	20	21
220n	20	24
330n	20	29
470n	28	22
680n	28	25
820n	38	19
1u0	39	22
1u2	39	24
1u3	39	25
1u5	39	27
1u8	39	29
2u2	39	31
2u7	39	33
3u0	39	34
3u3	39	35
3u9	39	39
4u7	46	35
5u6	46	38
6u2	46	40
6u8	46	42
8u2	46	45
10u0	46	49
12u6	66	45
15u0	66	49
16u0	66	50
18u0	66	53
22u0	66	58
27u0	66	64
33u0	66	70
39u0	66	76

Dimensions are shown in mm (max). Intermediate values are available upon request.

### COMPONENT OUTLINE



### ORDERING DETAILS

#### ESA 5u6 H 630V

ESA	Type	5u6	Capacitance in nF/μF
H	Tolerance (3%)	630V	Rated dc voltage (250V / 630Vdc)

