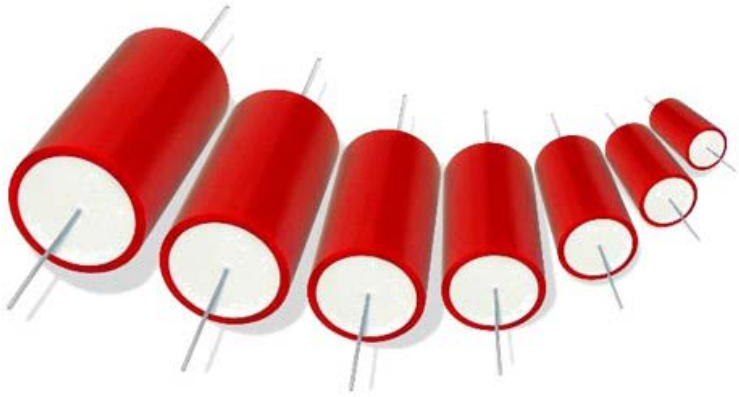
ClarityCap
AUDIO GRADE CAPACITORS

CMR



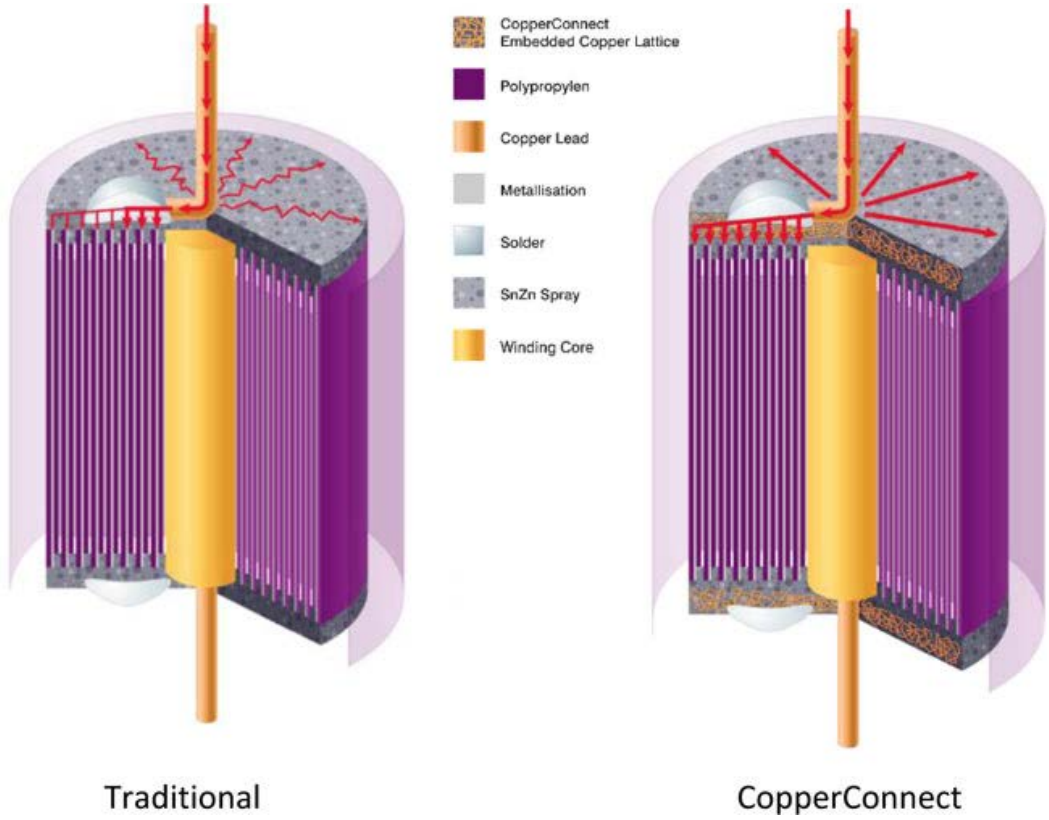
We've taken the science behind Audio performance very seriously for over 25 years. During that time we've carefully researched, tested and verified the performance of our products, with leading Universities and respected audio industry figures, only launching new products when we are able to contribute tangible benefits. It is over 8 years since we introduced the highly regarded MR and ESA lines and improving on something that is already exceptional has taken time.

Claritycap's unique CopperConnect technology addresses a hitherto under explored area of audio capacitor performance. Dielectric, electrode and lead wire materials have all been extensively optimised over the years. Connection of capacitor electrodes to the leads has always relied on thermal arc spray of tin-zinc, which results in hundreds of thousands of oxidised grain boundaries introducing; distortion and phase shifts at boundary crossings and increasing propagation impedance with diameter. CopperConnect technology introduces an embedded copper lattice to the end connection, dramatically reducing grain boundary crossings and signal path resistance, freeing capacitor designs achieve new levels of audio performance.

Taking inspiration from the highly regarded MR range, the CMR employs the same micro-phonics series film construction and acrylic tube damping. CopperConnect technology dramatically reduces grain boundary crossings in the end connection and enables designs to employ narrower films for reduced capacitor ESR without introducing the corollary increase in end connection impedance. The philosophy of eliminating as many crystal boundaries as possible is extended to the use of premium grade 1.0mm2 tinned oxygen free copper leads.

We are confident you'll agree ClarityCap's commitment to innovation has once again raised the bar for audiophile film capacitor performance.

COPPERCONNECT



SIZE CHART

400V

Cap (nF/µF)	L (mm)	D (mm)
2.2µF	35	38
2.7µF	35	38
3.0µF	35	38
3.3µF	35	38
3.9µF	50	38
4.7µF	50	38
5.6µF	50	38
6.2µF	40	60
6.8µF	40	60
8.2µF	40	60
10.0µF	40	60
12.0µF	50	60
15.0µF	50	60
16.0µF	50	60
18.0µF	50	60
22.0µF	65	60
27.0µF	65	60

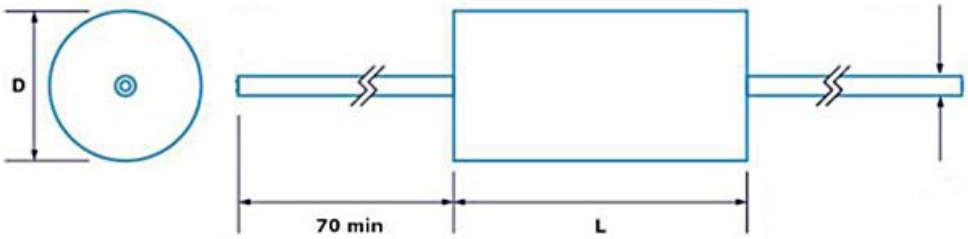
35.0μF	85	60

630V

Cap (nF/μF)	L (mm)	D (mm)
100nF	27	38
150nF	27	38
220nF	27	38
330nF	27	38
470nF	35	38
680nF	35	38
820nF	35	38
1.0μF	35	38
1.2μF	40	38
1.3μF	40	38
1.5μF	40	38
1.8μF	40	60
2.2μF	40	60
2.7μF	40	60
3.0μF	40	60
3.3μF	40	60
3.9μF	40	60
4.7μF	40	60
5.6μF	50	60
6.2μF	38	45
6.8μF	50	60
8.2μF	65	60
10.0μF	65	60
12.0μF	65	60
15.0μF	85	60
16.0μF	85	60
18.0μF	85	60

Intermediate values are available upon request.

COMPONENT OUTLINE



CMR 5u6 H 630V

CMR	Type	5u6	Capacitance in nF/µF
H	Tolerance (3%)	630V	Rated dc voltage (see size chart)