



MR Range Ultimate Audio Grade Capacitor



μf	Lx \O (mm)	Price	μf	Lx \O (mm)	Price
0.10	25 x 25	\$34.15	4.10	50 x 50	\$76.25
0.22	35 x 25	\$35.80	4.70	50 x 50	\$77.55
0.33	35 x 25	\$36.75	5.60	65 x 50	\$94.30
0.47	40 x 25	\$38.35	6.20	65 x 50	\$95.40
0.68	45 x 25	\$40.70	6.80	85 x 50	\$117.35
0.82	40 x 38	\$44.10	8.20	85 x 50	\$119.50
1.00	40 x 38	\$45.15	10.0	85 x 50	\$123.30
2.20	50 x 38	\$55.20	12.0	85 x 76	\$185.30
2.70	50 x 38	\$62.45	15.0	85 x 76	\$189.60
3.10	65 x 38	\$66.15	18.0	85 x 76	\$195.15
3.30	65 x 38	\$66.50	22.0	85 x 76	\$196.00
3.90	50 x 50	\$75.25	27.0	85 x 76	\$203.70

- Metallized Polypropylene
- **Series design** - two cap values in series to created final value.
- Tolerance **+35%**
- Dissipation factor $\leq 0.001@1\text{kHz}$
- **Rated Voltage 630Vdc**
- Dielectric absorption $\leq 0.1\%$
- Jacket - colored acrylic tube
- Insulated copper leads, 70mm
- More technical information and white paper available online.

The MR range of capacitors is, we believe, the ultimate audio grade capacitor currently available on the market.

It is the result of a two year research program into the influence an audio capacitor has on overall system sound quality. The research program was conducted in cooperation with the world renowned Acoustics Research Centre at the University of Salford.

No stone was left unturned; the research encompassed all of the materials used in audio capacitors and any existing performance data together with analysis of manufacturing processes and techniques. The crucial factor to emerge was the effect that mechanical resonances within a capacitor have on sound quality and the importance of reducing or controlling a capacitor's sonic output.

The new MR range harnesses all of the knowledge gathered throughout the research program and we believes offers the market a superior product based upon science and research rather than snake oil.

The capacitor employs a non standard polypropylene film and is housed in a colored acrylic tube, has hand soldered copper terminals and is encapsulated in resin.



ESA Range Audio Grade Capacitor

μf	Lx \O (mm)	Price	mf	Lx \O (mm)	Price
0.10	20 x 27	\$10.50	6.20	46 x 40	\$20.75
0.22	20 x 24	\$7.90	6.80	46 x 42	\$22.80
0.33	20 x 29	\$8.55	8.20	46 x 45	\$25.65
0.47	28 x 22	\$8.65	10.0	46 x 49	\$29.50
1.00	39 x 22	\$8.90	12.0	66 x 45	\$30.80
1.50	39 x 27	\$10.45	15.0	66 x 49	\$36.70
1.80	39 x 29	\$10.85	18.0	66 x 53	\$43.50
2.20	39 x 31	\$11.90	22.0	66 x 58	\$50.40
2.70	39 x 33	\$14.55	27.0	66 x 64	\$63.85
3.30	39 x 35	\$15.55	33.0	66 x 70	\$77.50
3.90	39 x 39	\$17.00	39.0	66 x 76	\$120.95
4.70	46 x 35	\$18.15	47.0	66 x 82	\$142.30
5.60	46 x 38	\$19.60			

ClarityCap took what they learned in developing the MR series and used that research to make an improved SA series, called the ESA capacitor. By means of controlling the critical production processes, the ESA caps have greatly reduced

resonances than the SA caps. The ESA caps are produced with the same high grade materials as the SA caps, but the ESA caps are manufactured under very tight controls to reduce the inherent resonances within the component to an absolute minimum. As we have learned with the MR capacitor study, mechanical resonances from the capacitor are audible and are one of the leading causes for a listener to find the sound of a speaker as undesirable. The ESA caps are carefully and tightly wound, with special care taken at the outer windings to reduce capacitor vibrations.