

MUSICAP[®] FILM + FOIL CAPACITORS

MusiCaps enable sensitive audio circuits to achieve their ultimate level of performance. Among the most musically accurate capacitors available, MusiCaps provide a dramatic improvement in clarity, focus and dynamics when used in critical new designs, or as an upgrade to existing tube or solid-state components.

The MusiCap line also includes capacitors expressly designed for use in speakers. Speaker MusiCaps are a revelation in well-designed dynamic crossover networks, or as an upgrade to fine electrostatic speaker systems. Many prominent high-end manufacturers employ MusiCaps in their top speaker models.

The no-compromise design of MusiCaps dictates a painstaking manufacturing process using costly materials. The result is a quality product that, while not inexpensive, delivers immediately discernible benefits and will over the long run prove an exceptional value.

MusiCap Design

MusiCaps are constructed of a special variety of foil and polypropylene film, rather than the sonically inferior deposited-particle "metalized film" used in other popular capacitors. Polypropylene is chosen in part because of its superior ability to form an intimate bond with the thin foil—neither Teflon nor polystyrene mate as well. MusiCaps are individually machine-rolled, and the leads are carefully hand-soldered using lead-free silver-bearing solder. The leads are stranded, Teflon insulated, silver-plated copper—a vast improvement over sound-degrading solid copper or steel leads. In addition, the winding method and density of MusiCaps helps quell microphonic tendencies.

Sonic Consistency

From the outset, attention was given to creating capacitors that maintain their musical qualities from the smallest to the largest value. Unlike other brands of capacitors that often sound different as the value changes, MusiCap proprietary design parameters result in remarkable value-to-value sonic consistency. 100% pre-testing and tight $\pm 5\%$ tolerances assure absolute quality.

Size

As a result of the film-and-foil composition used to produce MusiCaps, they are approximately 100% larger than common metalized capacitors. Because of their greater size, 15 μ F is the largest MusiCap value we can make. You may combine MusiCaps in parallel to obtain custom values or values larger than 15 μ F. [Usage notes: MusiCap lead lengths are 2 5/8 inches on coupling caps, 4 1/4 inches on speaker caps; The red lead is terminated to the inner foil's edge. It is preferable to connect the red lead towards the output of the circuit.]

MusiCap Speaker Capacitors

Critical loudspeaker crossovers deserve to have a transparent product specific to the application. MusiCap speaker capacitors are identical in design to our standard MusiCaps except for the larger leads, which are 15.5 gauge, fine-strand, silver-plated copper. It makes little sense to invest in expensive, high-quality speaker cable and internal wiring, only to have the signal pass through solid leads of insufficient gauge. While a fully "MusiCap-ed" crossover is supreme, just installing MusiCaps in the tweeter circuit will reveal much additional detail and nuance.

MusiCaps — The component of choice when musical realism is your goal.