

auricap

APPLICATIONS

Auricap metalized Polypropylene capacitors are cylindrically wound with epoxy end fill and have very good volumetric efficiency. They are wound to exacting industry leading specifications to meet or exceed the requirements of MIL-C-55514A and MIL-STD-E method 103B.

As with all metalized polypropylene film capacitors Auricaps are self healing. Failure mode is as an open circuit. Auricaps are made with the very best film available and are constructed to center value. Special care is taken to insure industry leading ESR values.

Auricaps are designed to be a general purpose capacitor for use in all applications where size, value and temperature considerations are suitable. They are useful in signal coupling, filtering and power factor correction applications. They are available in matched sets as well as 1% tolerance as a special order. Auricaps are available in axial and radial hard lead configurations for printed circuit board use.

Auricap Metalized polypropylene capacitors are rated for use in the temperature range from -55 to +85 deg. C and derate to 60% of their voltage specification at 105 deg.C. Auricaps are proven to have industry leading reliability and are 100% tested to meet specifications.

The outside foil connection of Auricaps is identified with either a black lead (when leads are red and black) or a shorter lead when leads are solid core type. This identification is not a voltage polarity indication but is a consideration for minimum noise pick up.

AC APPLICATION GUIDE: (AC VOLTAGE RATING, -55 °C TO +85 °C AMBIENT)

| DC VOLTAGE | EQUIVALENT VAC (RMS) RATINGS AT | | | |
|--|---------------------------------|-------|-------|--------|
| RATING | 60Hz | 400Hz | 800Hz | 1200Hz |
| 200 (.00 μ F through 1.0 μ F) | 160 | 120 | 80 | 60 |
| (1.1 μ F through 5.0 μ F) | 120 | 90 | 60 | 50 |
| 400 (.001 μ F through .82 μ F) | 240 | 180 | 120 | 90 |
| (.83 μ F through 4.0 μ F) | 210 | 157 | 105 | 78 |
| 600 (.001 μ F through .47 μ F) | 504 | 280 | 240 | 90 |
| (.23 μ F through .82 μ F) | 415 | 230 | 195 | 74 |

(AC voltage assumed to be sine wave)

TYPICAL TEMPERATURE CHARACTERISTICS

