

# RMR

## 105°C SUBMINIATURE RADIAL LEAD ALUMINUM ELECTROLYTIC CAPACITORS

### SPECIFICATIONS

**Capacitance Range:**

0.47 Mfd. to 10,000 Mfd.

**Voltage Range:**

6.3WVDC to 450WVDC

**Capacitance Tolerance:**

± 20% (M) Standard

± 10% (K) Optional

**Leakage Current:**

≤ 0.002 CV or 2μA min. (≤ 100 WVDC)

≤ 0.002 CV + 10μA min. (≥ 160 WVDC)

**Operating Temperature:**

-40°C to +105°C

**Storage Temperature:**

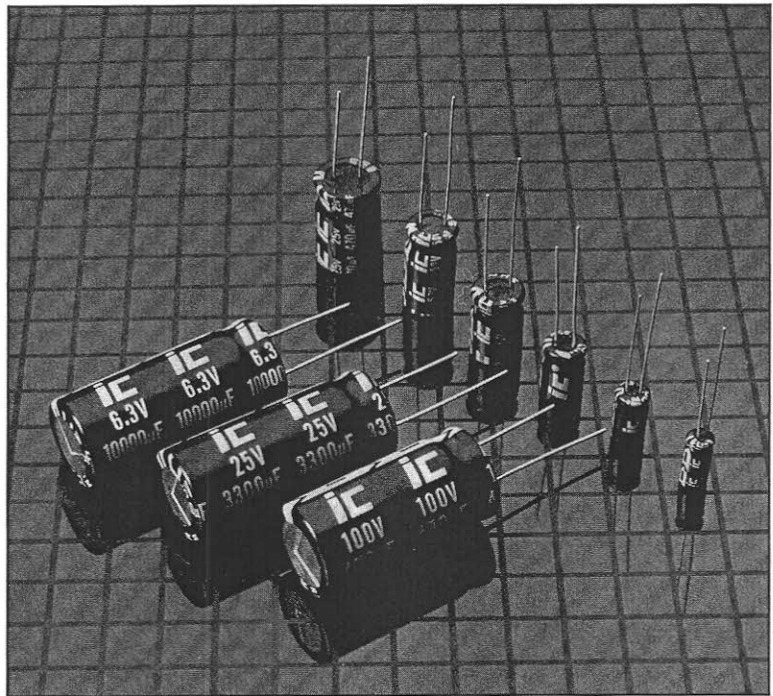
-55°C to +105°C

**Solvent Tolerant Seal:**

Standard (≤ 250 WVDC)

### SPECIAL ORDER OPTIONS

- Epoxy End Seal
- Tape & Reel
- Tape—Ammo (flat) pack
- Polyester Sleeve
- Cut Leads
- Special Tolerances: ± 10% (K)



### APPLICATIONS

**ic** type RMR provides the highest capacitance volume density available in a quality, top performance radial lead aluminum electrolytic. Featuring a +105°C electrolyte and high gain etched foil, type RMR provides the designer with excellent specifications that offer substantial reserves for long life designs. When derated below +105°C, operating life may surpass most components in the circuit. Small size, low leakage, and high temperature stability make RMR the cost effective choice for top quality designs and replacements.

**ic**<sup>®</sup>  
**ILLINOIS CAPACITOR, INC.**

3757 W. Touhy Ave., Lincolnwood, Illinois 60645 • (708) 675-1760 • Telex 72-4361 • Fax (708) 673-2850

THE SOURCE FOR QUALITY, PERFORMANCE AND DELIVERY.



# RMR

## 105°C Subminiature Radial Aluminum Electrolytic PHYSICAL DIMENSIONS

### PHYSICAL DIMENSIONS: DIAMETER (D) x LENGTH (L) (inches/mm)

| WV(SV)<br>MFD. | 6.3<br>(8)                  | 10<br>(13)                  | 16<br>(20)                  | 25<br>(32)                  | 35<br>(44)                  | 50<br>(63)                  | 63<br>(79)                  | 80<br>(100)                 | 100<br>(125)                | 160<br>(200)               | 250<br>(300)                | 350<br>(400)                | 450<br>(500)                |
|----------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|----------------------------|-----------------------------|-----------------------------|-----------------------------|
| 0.47           |                             |                             |                             |                             |                             | .197 x .433<br>5.0 x 11.0   |                             |                             |                             |                            |                             |                             |                             |
| 1.0            |                             |                             |                             |                             |                             | .197 x .433<br>5.0 x 11.0   |                             |                             | .197 x .433<br>5.0 x 11.0   |                            |                             | .394 x .512<br>10.0 x 13.0  | .394 x .630<br>10.0 x 16.0  |
| 1.5            |                             |                             |                             |                             |                             | .197 x .433<br>5.0 x 11.0   |                             |                             |                             |                            |                             |                             |                             |
| 2.2            |                             |                             |                             |                             |                             | .197 x .433<br>5.0 x 11.0   |                             |                             | .197 x .433<br>5.0 x 11.0   |                            | .315 x .551<br>8.0 x 14.0   | .394 x .630<br>10.0 x 16.0  | .394 x .787<br>10.0 x 20.0  |
| 3.3            |                             |                             |                             |                             |                             | .197 x .433<br>5.0 x 11.0   |                             |                             | .197 x .433<br>5.0 x 11.0   |                            | .315 x .551<br>8.0 x 14.0   | .394 x .630<br>10.0 x 16.0  | .512 x .787<br>13.0 x 20.0  |
| 4.7            |                             |                             |                             |                             |                             | .197 x .433<br>5.0 x 11.0   | .197 x .433<br>5.0 x 11.0   |                             | .248 x .433<br>6.3 x 11.0   | .315 x .551<br>8.0 x 14.0  | .394 x .630<br>10.0 x 16.0  | .394 x .787<br>10.0 x 20.0  | .512 x .984<br>13.0 x 25.0  |
| 6.8            |                             |                             |                             |                             |                             | .197 x .433<br>5.0 x 11.0   |                             |                             |                             |                            |                             |                             |                             |
| 10             |                             |                             |                             |                             |                             | .197 x .433<br>5.0 x 11.0   | .248 x .433<br>6.3 x 11.0   |                             | .315 x .453<br>8.0 x 11.5   | .394 x .630<br>10.0 x 16.0 | .492 x .787<br>12.5 x 20.0  | .512 x .984<br>13.0 x 25.0  | .630 x .984<br>16.0 x 25.0  |
| 15             |                             |                             |                             |                             | .197 x .433<br>5.0 x 11.0   | .248 x .433<br>6.3 x 11.0   |                             |                             | .315 x .453<br>8.0 x 11.5   | .354 x .787<br>10.0 x 20.0 | .492 x .787<br>12.5 x 20.0  |                             |                             |
| 22             |                             |                             | .197 x .433<br>5.0 x 11.0   | .248 x .433<br>6.3 x 11.0   | .248 x .433<br>6.3 x 11.0   | .315 x .453<br>8.0 x 11.5   |                             |                             | .394 x .492<br>10.0 x 12.5  | .492 x .787<br>12.5 x 20.0 | .492 x .984<br>12.5 x 25.0  | .630 x 1.240<br>16.0 x 31.5 | .709 x 1.398<br>18.0 x 35.5 |
| 33             |                             | .197 x .433<br>5.0 x 11.0   | .248 x .433<br>6.3 x 11.0   | .315 x .453<br>8.0 x 11.5   | .315 x .453<br>8.0 x 11.5   | .394 x .630<br>10.0 x 16.0  | .394 x .630<br>10.0 x 16.0  | .492 x .984<br>12.5 x 25.0  | .630 x .984<br>16.0 x 25.0  | .630 x .984<br>16.0 x 25.0 | .709 x 1.575<br>18.0 x 40.0 |                             |                             |
| 47             | .197 x .433<br>5.0 x 11.0   | .248 x .433<br>6.3 x 11.0   | .315 x .453<br>8.0 x 11.5   | .394 x .492<br>10.0 x 12.5  | .394 x .630<br>10.0 x 16.0  | .492 x .787<br>12.5 x 20.0  | .492 x .787<br>12.5 x 20.0  | .512 x .984<br>13.0 x 25.0  | .630 x .984<br>16.0 x 25.0  |                            |                             |                             |                             |
| 68             | .248 x .433<br>6.3 x 11.0   | .315 x .453<br>8.0 x 11.5   | .394 x .492<br>10.0 x 12.5  | .394 x .630<br>10.0 x 16.0  | .492 x .787<br>12.5 x 20.0  | .492 x .787<br>12.5 x 20.0  | .512 x .984<br>13.0 x 25.0  | .630 x .984<br>16.0 x 25.0  |                             |                            |                             |                             |                             |
| 100            | .248 x .433<br>6.3 x 11.0   | .315 x .453<br>8.0 x 11.5   | .394 x .492<br>10.0 x 12.5  | .394 x .630<br>10.0 x 16.0  | .492 x .787<br>12.5 x 20.0  | .492 x .787<br>12.5 x 20.0  | .512 x .984<br>13.0 x 25.0  | .630 x .984<br>16.0 x 25.0  |                             |                            |                             |                             |                             |
| 150            | .315 x .453<br>8.0 x 11.5   | .394 x .492<br>10.0 x 12.5  | .394 x .630<br>10.0 x 16.0  | .492 x .787<br>12.5 x 20.0  | .492 x .787<br>12.5 x 20.0  | .512 x .984<br>13.0 x 25.0  | .630 x .984<br>16.0 x 25.0  |                             |                             |                            |                             |                             |                             |
| 220            | .315 x .453<br>8.0 x 11.5   | .394 x .492<br>10.0 x 12.5  | .394 x .630<br>10.0 x 16.0  | .492 x .787<br>12.5 x 20.0  | .492 x .787<br>12.5 x 20.0  | .512 x .984<br>13.0 x 25.0  | .630 x .984<br>16.0 x 25.0  |                             |                             |                            |                             |                             |                             |
| 330            | .394 x .492<br>10.0 x 12.5  | .394 x .630<br>10.0 x 16.0  | .394 x .787<br>12.5 x 20.0  | .492 x .787<br>12.5 x 20.0  | .492 x .984<br>12.5 x 25.0  | .630 x 1.240<br>16.0 x 31.5 | .630 x 1.240<br>16.0 x 31.5 |                             |                             |                            |                             |                             |                             |
| 470            | .394 x .492<br>10.0 x 12.5  | .394 x .630<br>10.0 x 16.0  | .394 x .787<br>12.5 x 20.0  | .492 x .787<br>12.5 x 20.0  | .492 x .984<br>12.5 x 25.0  | .630 x .984<br>16.0 x 25.0  | .630 x .984<br>16.0 x 25.0  | .630 x 1.398<br>16.0 x 35.5 | .709 x 1.398<br>18.0 x 35.5 |                            |                             |                             |                             |
| 680            | .394 x .630<br>10.0 x 16.0  | .394 x .787<br>10.0 x 20.0  | .492 x .787<br>12.5 x 20.0  | .492 x .984<br>12.5 x 25.0  | .630 x .984<br>16.0 x 25.0  | .630 x .984<br>16.0 x 25.0  | .630 x 1.240<br>16.0 x 31.5 | .709 x 1.398<br>18.0 x 35.5 |                             |                            |                             |                             |                             |
| 1,000          | .394 x .787<br>10.0 x 20.0  | .492 x .787<br>12.5 x 20.0  | .492 x .984<br>12.5 x 25.0  | .630 x .984<br>16.0 x 25.0  | .630 x .984<br>16.0 x 25.0  | .630 x 1.240<br>16.0 x 31.5 | .709 x 1.398<br>18.0 x 35.5 |                             |                             |                            |                             |                             |                             |
| 1,500          | .492 x .984<br>12.5 x 25.0  | .630 x .984<br>16.0 x 25.0  | .630 x 1.240<br>16.0 x 31.5 | .630 x 1.398<br>16.0 x 35.5 | .709 x 1.575<br>18.0 x 40.0 |                             |                             |                             |                             |                            |                             |                             |                             |
| 2,200          | .492 x .984<br>12.5 x 25.0  | .630 x .984<br>16.0 x 25.0  | .630 x 1.398<br>16.0 x 35.5 | .709 x 1.575<br>18.0 x 40.0 |                             |                             |                             |                             |                             |                            |                             |                             |                             |
| 3,300          | .630 x .984<br>16.0 x 25.0  | .630 x 1.240<br>16.0 x 31.5 | .630 x 1.398<br>16.0 x 35.5 | .630 x 1.240<br>16.0 x 31.5 |                             |                             |                             |                             |                             |                            |                             |                             |                             |
| 4,700          | .630 x 1.240<br>16.0 x 31.5 | .630 x 1.398<br>16.0 x 35.5 | .709 x 1.398<br>18.0 x 35.5 |                             |                             |                             |                             |                             |                             |                            |                             |                             |                             |
| 6,800          | .630 x 1.398<br>16.0 x 35.5 | .709 x 1.575<br>18.0 x 40.0 |                             |                             |                             |                             |                             |                             |                             |                            |                             |                             |                             |
| 10,000         | .709 x 1.575<br>18.0 x 40.0 |                             |                             |                             |                             |                             |                             |                             |                             |                            |                             |                             |                             |

NOTE: WV: Maximum rated DC working voltage @ +105°C. SV: Maximum rated DC surge voltage at +105°C.



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