

# Radial Leaded Aluminum Electrolytic Capacitors

## REJ Series



### FEATURES

- Low impedance
- High reliability
- Endurance: 2000 - 5000 hours at 105°C
- RoHS Compliance and Halogen-free

### APPLICATIONS

- DC converters
- Industrial equipment
- Communications equipment
- Data servers

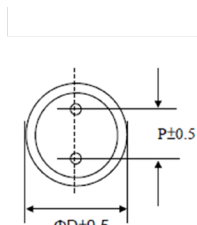
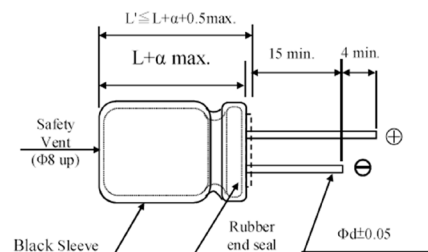


### HOW TO ORDER

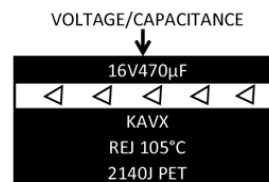
| R               | EJ          | 0812            | 471                                                                                                                | M         | 016                                                                                                                                                                            | K                              | -                                                                                                                                                                                                                                         |
|-----------------|-------------|-----------------|--------------------------------------------------------------------------------------------------------------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type    | Series Type | Case Size       | Capacitance Code                                                                                                   | Tolerance | Rated DC Voltage                                                                                                                                                               | Packaging                      | Lead Type                                                                                                                                                                                                                                 |
| Radial Aluminum |             | See table below | µF code: 1st two digits represent significant figures, 3rd digit represents multiplier (number of zeros to follow) | M = ±20%  | 006 = 6.3Vdc 010 = 10Vdc 016 = 16Vdc 025 = 25Vdc 035 = 35Vdc 050 = 50Vdc 063 = 63Vdc 080 = 80Vdc 100 = 100Vdc 200 = 200Vdc 250 = 250Vdc 400 = 400Vdc 450 = 450Vdc 500 = 500Vdc | K = Ammo Pack<br>B = Bulk Pack | " " empty = Standard long lead<br>"C" = Lead cut only<br>"D" = Lead cut and crimp<br>"F" = Lead cut and form<br>"H" = Lead cut, crimp and form<br>"B" = Forming only<br>"L" = Lead cut and bend (Left)<br>"Z" = Lead cut and bend (Right) |

### CASE DIMENSIONS millimeters (inches)

| Code | D+0.50<br>(0.020) | L             | d±0.05<br>(0.002) | P±0.50<br>(0.020) | α            | Typical Weight (g) | Code | D+0.50<br>(0.020) | L             | d±0.05<br>(0.002) | P±0.50<br>(0.020) | α            | Typical Weight (g) |
|------|-------------------|---------------|-------------------|-------------------|--------------|--------------------|------|-------------------|---------------|-------------------|-------------------|--------------|--------------------|
| 0511 | 5.00 (0.020)      | 11.00 (0.433) | 0.50 (0.020)      | 2.00 (0.079)      | 1.00 (0.039) | 0.43               | 1325 | 13.00 (0.512)     | 25.00 (0.984) | 0.60 (0.024)      | 5.00 (0.020)      | 2.00 (0.079) | 5.00               |
| 0611 | 6.30 (0.248)      | 11.00 (0.433) | 0.50 (0.020)      | 2.50 (0.098)      | 1.00 (0.039) | 0.60               | 1330 | 13.00 (0.512)     | 30.00 (1.181) | 0.60 (0.024)      | 5.00 (0.020)      | 2.00 (0.079) | 5.64               |
| 0615 | 6.30 (0.248)      | 15.00 (0.591) | 0.50 (0.020)      | 2.50 (0.098)      | 1.00 (0.039) | 0.80               | 1620 | 16.00 (0.630)     | 20.00 (0.787) | 0.80 (0.315)      | 7.50 (0.295)      | 2.00 (0.079) | 4.95               |
| 0812 | 8.00 (0.315)      | 12.00 (0.472) | 0.50 (0.020)      | 3.50 (0.138)      | 1.00 (0.039) | 0.98               | 1625 | 16.00 (0.630)     | 25.00 (0.984) | 0.80 (0.315)      | 7.50 (0.295)      | 2.00 (0.079) | 8.08               |
| 0816 | 8.00 (0.315)      | 16.00 (0.630) | 0.50 (0.020)      | 3.50 (0.138)      | 2.00 (0.079) | 1.33               | 1635 | 16.00 (0.630)     | 35.00 (1.378) | 0.80 (0.315)      | 7.50 (0.295)      | 2.00 (0.079) | 12.38              |
| 0820 | 8.00 (0.315)      | 20.00 (0.787) | 0.50 (0.020)      | 3.50 (0.138)      | 2.00 (0.079) | 1.66               | 1640 | 16.00 (0.630)     | 40.00 (1.575) | 0.80 (0.315)      | 7.50 (0.295)      | 2.00 (0.079) | 13.85              |
| 1013 | 10.00 (0.394)     | 13.00 (0.512) | 0.60 (0.024)      | 5.00 (0.020)      | 1.00 (0.039) | 1.52               | 1650 | 16.00 (0.630)     | 50.00 (1.969) | 0.80 (0.315)      | 7.50 (0.295)      | 2.00 (0.079) | 16.50              |
| 1016 | 10.00 (0.394)     | 16.00 (0.630) | 0.60 (0.024)      | 5.00 (0.020)      | 2.00 (0.079) | 1.80               | 1660 | 16.00 (0.630)     | 60.00 (2.362) | 0.80 (0.315)      | 7.50 (0.295)      | 2.00 (0.079) | 17.00              |
| 1020 | 10.00 (0.394)     | 20.00 (0.787) | 0.60 (0.024)      | 5.00 (0.020)      | 2.00 (0.079) | 2.71               | 1820 | 18.00 (0.709)     | 20.00 (0.787) | 0.80 (0.315)      | 7.50 (0.295)      | 2.00 (0.079) | 7.89               |
| 1025 | 10.00 (0.394)     | 25.00 (0.984) | 0.60 (0.024)      | 5.00 (0.020)      | 2.00 (0.079) | 3.39               | 1825 | 18.00 (0.709)     | 25.00 (0.984) | 0.80 (0.315)      | 7.50 (0.295)      | 2.00 (0.079) | 9.60               |
| 1030 | 10.00 (0.394)     | 30.00 (1.181) | 0.60 (0.024)      | 5.00 (0.020)      | 2.00 (0.079) | 4.04               | 1830 | 18.00 (0.709)     | 30.00 (1.181) | 0.80 (0.315)      | 7.50 (0.295)      | 2.00 (0.079) | 11.32              |
| 1213 | 12.50 (0.492)     | 13.00 (0.512) | 0.60 (0.024)      | 5.00 (0.020)      | 2.00 (0.079) | 3.77               | 1832 | 18.00 (0.709)     | 32.00 (1.260) | 0.80 (0.315)      | 7.50 (0.295)      | 2.00 (0.079) | 12.00              |
| 1220 | 12.50 (0.492)     | 20.00 (0.787) | 0.60 (0.024)      | 5.00 (0.020)      | 2.00 (0.079) | 4.59               | 1835 | 18.00 (0.709)     | 35.00 (1.378) | 0.80 (0.315)      | 7.50 (0.295)      | 2.00 (0.079) | 12.40              |
| 1225 | 12.50 (0.492)     | 25.00 (0.984) | 0.60 (0.024)      | 5.00 (0.020)      | 2.00 (0.079) | 5.00               | 1836 | 18.00 (0.709)     | 36.00 (1.417) | 0.80 (0.315)      | 7.50 (0.295)      | 2.00 (0.079) | 12.53              |
| 1230 | 12.50 (0.492)     | 30.00 (1.181) | 0.60 (0.024)      | 5.00 (0.020)      | 2.00 (0.079) | 5.64               | 1840 | 18.00 (0.709)     | 40.00 (1.575) | 0.80 (0.315)      | 7.50 (0.295)      | 2.00 (0.079) | 16.00              |
| 1316 | 13.00 (0.512)     | 16.00 (0.630) | 0.60 (0.024)      | 5.00 (0.020)      | 2.00 (0.079) | 4.08               | 1850 | 18.00 (0.709)     | 50.00 (1.969) | 0.80 (0.315)      | 7.50 (0.295)      | 2.00 (0.079) | 17.20              |
| 1318 | 13.00 (0.512)     | 18.00 (0.709) | 0.60 (0.024)      | 5.00 (0.020)      | 2.00 (0.079) | 4.29               | 2225 | 22.00 (0.866)     | 25.00 (0.984) | 0.80 (0.315)      | 10.00 (0.394)     | 2.00 (0.079) | 19.88              |
| 1321 | 13.00 (0.512)     | 21.00 (0.827) | 0.60 (0.024)      | 5.00 (0.020)      | 2.00 (0.079) | 4.59               | 2240 | 22.00 (0.866)     | 40.00 (1.575) | 0.80 (0.315)      | 10.00 (0.394)     | 2.00 (0.079) | 21.87              |



### MARKING



KYOCERA AVX LOGO  
 POLARITY BAND (CATHODE)  
 COMPANY NAME  
 SERIES/TEMP.  
 ID/SLEEVE MATERIAL

\*If different rubber seal is needed, please contact your sales representative.

# Radial Leaded Aluminum Electrolytic Capacitors

## REJ Series

### TECHNICAL SPECIFICATIONS

|                                    |                                                                                    |                                                              |                                      |
|------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------|
| <b>Category Temperature Range:</b> | -40°C to +105°C (6.3-400V), -25°C to +105°C (450-500V)                             |                                                              |                                      |
| <b>Capacitance Range</b>           | at 25°C, 120Hz                                                                     | 2.2μF – 10,000μF                                             |                                      |
| <b>Capacitance Tolerance:</b>      | at 25°C, 120Hz                                                                     | ±20%                                                         |                                      |
| <b>Dissipation Factor (%)</b>      | Measurement Frequency: 120Hz at 25°C                                               | Please see the Ratings and Part Number Reference Table below |                                      |
| <b>Leakage Current:</b>            | After 2 minutes (6.3-100V), 5 minutes (200-500V) at rated working voltage at 25°C* | 6.3-100V                                                     | 200-500V                             |
|                                    |                                                                                    | ≤0.01CV or 3μA, whichever is greater                         | ≤0.03CV + 20μA, whichever is greater |

\*Note: In the case of an anomalous reading, re-measure the leakage current after following voltage treatment:  
Voltage treatment: DC rated voltage to be applied to the capacitors for 120 minutes at 105°C.

### CAPACITANCE AND RATED VOLTAGE RANGE (FIGURES DENOTES CASE SIZE)

| Capacitance |      | Rated Voltage DC (V <sub>R</sub> ) |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-------------|------|------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| μF          | Code | 6.3V                               | 10V  | 16V  | 25V  | 35V  | 50V  | 63V  | 80V  | 100V | 200V | 250V | 400V | 450V | 500V |
| 2.2         | 2R2  |                                    |      |      |      |      |      |      |      |      | 0611 |      |      |      |      |
| 4.7         | 4R7  |                                    |      |      |      |      |      |      |      | 0611 |      |      |      | 1013 |      |
| 10          | 100  |                                    |      |      |      |      |      | 0511 |      | 0511 |      |      | 1020 | 1016 | 1225 |
| 22          | 220  |                                    |      |      |      |      |      |      |      | 0812 | 1016 |      |      |      |      |
| 27          | 270  |                                    |      |      |      |      |      | 0611 |      |      |      |      |      |      |      |
| 33          | 330  |                                    |      |      | 0511 | 0511 | 0511 |      |      |      |      | 1016 | 1325 | 1625 |      |
| 47          | 470  |                                    |      |      |      |      |      | 0812 | 1013 | 1013 | 1220 | 1316 |      | 1825 |      |
| 56          | 560  |                                    |      |      |      |      | 0611 |      |      | 0820 |      |      | 1330 |      |      |
| 68          | 680  |                                    |      |      |      |      |      |      |      | 1016 |      | 1325 | 1625 |      |      |
| 100         | 101  | 0511                               |      | 0511 | 0611 | 0611 | 0812 | 0816 |      | 1020 | 1620 | 1625 |      | 1835 | 1650 |
| 120         | 121  |                                    |      |      | 0615 |      |      |      |      |      |      | 1825 | 1836 |      | 1660 |
| 180         | 181  |                                    |      |      |      |      |      | 1213 |      | 1316 |      |      |      | 1840 |      |
| 220         | 221  |                                    |      | 0611 | 1013 | 0812 | 1013 | 1016 |      | 1321 |      |      |      |      |      |
| 330         | 331  |                                    | 0611 |      |      | 1013 | 1016 | 1025 | 1318 |      | 1835 |      |      |      |      |
| 390         | 391  |                                    |      |      |      |      |      | 1225 |      |      |      |      |      |      |      |
| 470         | 471  |                                    | 0812 | 0812 | 0812 |      | 1020 | 1020 |      | 1625 |      |      |      |      |      |
| 560         | 561  | 0812                               |      |      |      |      |      |      | 1230 |      |      |      |      |      |      |
| 680         | 681  |                                    |      | 1016 | 0820 | 1016 | 1321 | 1620 |      | 1830 |      |      |      |      |      |
| 820         | 821  |                                    |      |      |      |      |      | 1825 |      |      |      |      |      |      |      |
| 1000        | 102  |                                    | 0816 | 0816 | 1016 | 1020 | 1325 | 1625 | 1635 | 1836 |      |      |      |      |      |
| 1200        | 122  |                                    |      |      |      | 1220 |      |      |      |      |      |      |      |      |      |
| 1500        | 152  |                                    | 1020 |      | 1220 |      |      | 1832 | 1836 |      |      |      |      |      |      |
| 1800        | 182  |                                    |      |      |      | 1325 |      |      |      |      |      |      |      |      |      |
| 2200        | 222  |                                    | 1025 | 1020 | 1321 | 1625 | 1835 | 1840 | 1850 |      |      |      |      |      |      |
| 2700        | 272  |                                    |      | 1620 |      | 1330 |      |      |      |      |      |      |      |      |      |
| 3300        | 332  |                                    | 1316 | 1030 | 1820 | 2225 |      |      |      |      |      |      |      |      |      |
| 4700        | 472  |                                    |      |      | 1835 |      | 2240 |      |      |      |      |      |      |      |      |
| 5600        | 562  |                                    |      |      |      | 1835 |      |      |      |      |      |      |      |      |      |
| 6800        | 682  |                                    | 1625 |      |      |      |      |      |      |      |      |      |      |      |      |
| 10,000      | 103  | 1640                               |      |      |      |      |      |      |      |      |      |      |      |      |      |

Released ratings

# Radial Leaded Aluminum Electrolytic Capacitors

## REJ Series

### RATINGS & PART NUMBER REFERENCE

| Part No.        | Case Size | Capacitance (μF) | Rated Voltage (V) | DCL Max. (μA) | DF Max. (%) | 100KHz RMS Current (mA) / 105°C | Lifetime (h) | MSL |
|-----------------|-----------|------------------|-------------------|---------------|-------------|---------------------------------|--------------|-----|
| <b>6.3 Volt</b> |           |                  |                   |               |             |                                 |              |     |
| REJ0511101M006* | 0511      | 100              | 6.3               | 6.3           | 20          | 140                             | 2000         | 1   |
| REJ0812561M006* | 0812      | 560              | 6.3               | 35            | 20          | 640                             | 3000         | 1   |
| REJ1640103M006B | 1640      | 10,000           | 6.3               | 630           | 38          | 3650                            | 5000         | 1   |
| <b>10 Volt</b>  |           |                  |                   |               |             |                                 |              |     |
| REJ0611331M010* | 0611      | 330              | 10                | 33            | 17          | 390                             | 2000         | 1   |
| REJ0812471M010* | 0812      | 470              | 10                | 47            | 17          | 640                             | 3000         | 1   |
| REJ0816102M010* | 0816      | 1000             | 10                | 100           | 17          | 940                             | 3000         | 1   |
| REJ1020152M010* | 1020      | 1500             | 10                | 150           | 17          | 1400                            | 5000         | 1   |
| REJ1025222M010* | 1025      | 2200             | 10                | 220           | 19          | 1480                            | 5000         | 1   |
| REJ1316332M010* | 1316      | 3300             | 10                | 330           | 21          | 1580                            | 5000         | 1   |
| REJ1625682M010B | 1625      | 6800             | 10                | 680           | 27          | 2610                            | 5000         | 1   |
| <b>16 Volt</b>  |           |                  |                   |               |             |                                 |              |     |
| REJ0511101M016* | 0511      | 100              | 16                | 16            | 16          | 230                             | 2000         | 1   |
| REJ0611221M016* | 0611      | 220              | 16                | 35            | 16          | 370                             | 2000         | 1   |
| REJ0812471M016* | 0812      | 470              | 16                | 75            | 16          | 720                             | 3000         | 1   |
| REJ1016681M016* | 1016      | 680              | 16                | 108           | 16          | 1000                            | 5000         | 1   |
| REJ0816102M016* | 0816      | 1000             | 16                | 160           | 16          | 1020                            | 3000         | 1   |
| REJ1020222M016* | 1020      | 2200             | 16                | 352           | 18          | 1520                            | 5000         | 1   |
| REJ1620272M016B | 1620      | 2700             | 16                | 432           | 18          | 2250                            | 5000         | 1   |
| REJ1030332M016* | 1030      | 3300             | 16                | 528           | 20          | 2100                            | 5000         | 1   |
| <b>25 Volt</b>  |           |                  |                   |               |             |                                 |              |     |
| REJ0511330M025* | 0511      | 33               | 25                | 8.2           | 14          | 145                             | 2000         | 1   |
| REJ0611101M025* | 0611      | 100              | 25                | 25            | 14          | 370                             | 2000         | 1   |
| REJ0615121M025* | 0615      | 120              | 25                | 30            | 14          | 420                             | 2000         | 1   |
| REJ1013221M025* | 1013      | 220              | 25                | 55            | 14          | 710                             | 5000         | 1   |
| REJ0812471M025* | 0812      | 470              | 25                | 117           | 14          | 900                             | 3000         | 1   |
| REJ0820681M025* | 0820      | 680              | 25                | 170           | 14          | 1150                            | 3000         | 1   |
| REJ1016102M025* | 1016      | 1000             | 25                | 250           | 14          | 1270                            | 5000         | 1   |
| REJ1220152M025* | 1220      | 1500             | 25                | 375           | 14          | 1980                            | 5000         | 1   |
| REJ1321222M025* | 1321      | 2200             | 25                | 550           | 16          | 2050                            | 5000         | 1   |
| REJ1820332M025B | 1820      | 3300             | 25                | 825           | 18          | 2480                            | 5000         | 1   |
| REJ1835472M025B | 1835      | 4700             | 25                | 1175          | 20          | 3638                            | 5000         | 1   |
| <b>35 Volt</b>  |           |                  |                   |               |             |                                 |              |     |
| REJ0511330M035* | 0511      | 33               | 35                | 11            | 12          | 220                             | 2000         | 1   |
| REJ0611101M035* | 0611      | 100              | 35                | 35            | 12          | 280                             | 2000         | 1   |
| REJ0812221M035* | 0812      | 220              | 35                | 77            | 12          | 560                             | 3000         | 1   |
| REJ1013331M035* | 1013      | 330              | 35                | 115           | 12          | 840                             | 5000         | 1   |
| REJ1016681M035* | 1016      | 680              | 35                | 238           | 12          | 1280                            | 5000         | 1   |
| REJ1020102M035* | 1020      | 1000             | 35                | 350           | 12          | 1500                            | 5000         | 1   |
| REJ1220122M035* | 1220      | 1200             | 35                | 420           | 12          | 2340                            | 5000         | 1   |
| REJ1325182M035* | 1325      | 1800             | 35                | 630           | 12          | 2500                            | 5000         | 1   |
| REJ1625222M035B | 1625      | 2200             | 35                | 770           | 14          | 2450                            | 5000         | 1   |
| REJ1330272M035* | 1330      | 2700             | 35                | 945           | 14          | 2900                            | 5000         | 1   |
| REJ2225332M035B | 2225      | 3300             | 35                | 1155          | 16          | 3680                            | 5000         | 1   |
| REJ1835562M035B | 1835      | 5600             | 35                | 1960          | 20          | 3700                            | 5000         | 1   |
| <b>50 Volt</b>  |           |                  |                   |               |             |                                 |              |     |
| REJ0511330M050* | 0511      | 33               | 50                | 16            | 10          | 210                             | 2000         | 1   |
| REJ0611560M050* | 0611      | 56               | 50                | 28            | 10          | 250                             | 2000         | 1   |
| REJ0812101M050* | 0812      | 100              | 50                | 50            | 10          | 500                             | 3000         | 1   |
| REJ1013221M050* | 1013      | 220              | 50                | 110           | 10          | 880                             | 5000         | 1   |
| REJ1016331M050* | 1016      | 330              | 50                | 165           | 10          | 1210                            | 5000         | 1   |
| REJ1020471M050* | 1020      | 470              | 50                | 235           | 10          | 1480                            | 5000         | 1   |
| REJ1321681M050* | 1321      | 680              | 50                | 340           | 10          | 1950                            | 5000         | 1   |
| REJ1325102M050* | 1325      | 1000             | 50                | 500           | 10          | 2510                            | 5000         | 1   |
| REJ1835222M050B | 1835      | 2200             | 50                | 1100          | 12          | 3680                            | 5000         | 1   |
| REJ2240472M050B | 2240      | 4700             | 50                | 2350          | 16          | 3800                            | 5000         | 1   |
| <b>63 Volt</b>  |           |                  |                   |               |             |                                 |              |     |
| REJ0511100M063* | 0511      | 10               | 63                | 6.3           | 8           | 125                             | 2000         | 1   |
| REJ0611270M063* | 0611      | 27               | 63                | 17            | 8           | 240                             | 2000         | 1   |
| REJ0812470M063* | 0812      | 47               | 63                | 29            | 8           | 300                             | 3000         | 1   |
| REJ0816101M063* | 0816      | 100              | 63                | 63            | 8           | 500                             | 3000         | 1   |

# Radial Leaded Aluminum Electrolytic Capacitors

## REJ Series

| Part No.        | Case Size | Capacitance (μF) | Rated Voltage (V) | DCL Max. (μA) | DF Max. (%) | 100KHz RMS Current (mA) / 105°C | Lifetime (h) | MSL |
|-----------------|-----------|------------------|-------------------|---------------|-------------|---------------------------------|--------------|-----|
| REJ1213181M063* | 1213      | 180              | 63                | 113           | 8           | 650                             | 5000         | 1   |
| REJ1016221M063* | 1016      | 220              | 63                | 138           | 8           | 880                             | 5000         | 1   |
| REJ1025331M063* | 1025      | 330              | 63                | 207           | 8           | 1280                            | 5000         | 1   |
| REJ1225391M063* | 1225      | 390              | 63                | 245           | 8           | 1410                            | 5000         | 1   |
| REJ1020471M063* | 1020      | 470              | 63                | 296           | 8           | 1210                            | 5000         | 1   |
| REJ1620681M063B | 1620      | 680              | 63                | 428           | 8           | 1710                            | 5000         | 1   |
| REJ1825821M063B | 1825      | 820              | 63                | 516           | 8           | 1970                            | 5000         | 1   |
| REJ1625102M063B | 1625      | 1000             | 63                | 630           | 8           | 2100                            | 5000         | 1   |
| REJ1832152M063B | 1832      | 1500             | 63                | 945           | 8           | 2610                            | 5000         | 1   |
| REJ1840222M063B | 1840      | 2200             | 63                | 1386          | 10          | 3780                            | 5000         | 1   |
| <b>80 Volt</b>  |           |                  |                   |               |             |                                 |              |     |
| REJ1013470M080* | 1013      | 47               | 80                | 37            | 8           | 300                             | 5000         | 1   |
| REJ1318331M080* | 1318      | 330              | 80                | 264           | 8           | 1030                            | 5000         | 1   |
| REJ1230561M080* | 1230      | 560              | 80                | 448           | 8           | 1800                            | 5000         | 1   |
| REJ1635102M080B | 1635      | 1000             | 80                | 800           | 8           | 1690                            | 5000         | 1   |
| REJ1836152M080B | 1836      | 1500             | 80                | 1200          | 8           | 2800                            | 5000         | 1   |
| REJ1850222M080B | 1850      | 2200             | 80                | 1760          | 10          | 2850                            | 5000         | 1   |
| <b>100 Volt</b> |           |                  |                   |               |             |                                 |              |     |
| REJ061147M100*  | 0611      | 4.7              | 100               | 4.7           | 8           | 120                             | 2000         | 1   |
| REJ0511100M100* | 0511      | 10               | 100               | 10            | 8           | 100                             | 2000         | 1   |
| REJ0812220M100* | 0812      | 22               | 100               | 22            | 8           | 230                             | 3000         | 1   |
| REJ1013470M100* | 1013      | 47               | 100               | 47            | 8           | 370                             | 5000         | 1   |
| REJ0820560M100* | 0820      | 56               | 100               | 56            | 8           | 565                             | 3000         | 1   |
| REJ1016680M100* | 1016      | 68               | 100               | 68            | 8           | 430                             | 5000         | 1   |
| REJ1020101M100* | 1020      | 100              | 100               | 100           | 8           | 530                             | 5000         | 1   |
| REJ1316181M100* | 1316      | 180              | 100               | 180           | 8           | 750                             | 5000         | 1   |
| REJ1321221M100* | 1321      | 220              | 100               | 220           | 8           | 740                             | 5000         | 1   |
| REJ1625471M100B | 1625      | 470              | 100               | 470           | 8           | 1550                            | 5000         | 1   |
| REJ1830681M100B | 1830      | 680              | 100               | 680           | 8           | 2020                            | 5000         | 1   |
| REJ1836102M100B | 1836      | 1000             | 100               | 1000          | 8           | 2100                            | 5000         | 1   |
| <b>200 Volt</b> |           |                  |                   |               |             |                                 |              |     |
| REJ06112R2M200* | 0611      | 2.2              | 200               | 33            | 15          | 80                              | 2000         | 1   |
| REJ1016220M200* | 1016      | 22               | 200               | 152           | 15          | 420                             | 5000         | 1   |
| REJ1220470M200* | 1220      | 47               | 200               | 302           | 15          | 980                             | 5000         | 1   |
| REJ1620101M200B | 1620      | 100              | 200               | 620           | 15          | 1350                            | 5000         | 1   |
| REJ1835331M200B | 1835      | 330              | 200               | 2000          | 15          | 2560                            | 5000         | 1   |
| <b>250 Volt</b> |           |                  |                   |               |             |                                 |              |     |
| REJ1016330M250* | 1016      | 33               | 250               | 267           | 15          | 400                             | 5000         | 1   |
| REJ1316470M250* | 1316      | 47               | 250               | 372           | 15          | 420                             | 5000         | 1   |
| REJ1325680M250* | 1325      | 68               | 250               | 530           | 15          | 1010                            | 5000         | 1   |
| REJ1625101M250B | 1625      | 100              | 250               | 770           | 15          | 1380                            | 5000         | 1   |
| REJ1825121M250B | 1825      | 120              | 250               | 920           | 15          | 1450                            | 5000         | 1   |
| <b>400 Volt</b> |           |                  |                   |               |             |                                 |              |     |
| REJ1020100M400* | 1020      | 10               | 400               | 140           | 25          | 350                             | 5000         | 1   |
| REJ1325330M400* | 1325      | 33               | 400               | 416           | 25          | 380                             | 5000         | 1   |
| REJ1330560M400* | 1330      | 56               | 400               | 692           | 25          | 1180                            | 5000         | 1   |
| REJ1625680M400B | 1625      | 68               | 400               | 836           | 25          | 1030                            | 5000         | 1   |
| REJ1836121M400B | 1836      | 120              | 400               | 1460          | 25          | 1430                            | 5000         | 1   |
| <b>450 Volt</b> |           |                  |                   |               |             |                                 |              |     |
| REJ10134R7M450* | 1013      | 4.7              | 450               | 83            | 25          | 155                             | 5000         | 1   |
| REJ1016100M450* | 1016      | 10               | 450               | 155           | 25          | 180                             | 5000         | 1   |
| REJ1625330M450B | 1625      | 33               | 450               | 465           | 25          | 950                             | 5000         | 1   |
| REJ1825470M450B | 1825      | 47               | 450               | 654           | 25          | 1050                            | 5000         | 1   |
| REJ1835101M450B | 1835      | 100              | 450               | 1370          | 25          | 1230                            | 5000         | 1   |
| REJ1840181M450B | 1840      | 180              | 450               | 2450          | 25          | 1700                            | 5000         | 1   |
| <b>500 Volt</b> |           |                  |                   |               |             |                                 |              |     |
| REJ1225100M500* | 1225      | 10               | 500               | 170           | 25          | 260                             | 5000         | 1   |
| REJ1650101M500B | 1650      | 100              | 500               | 1520          | 25          | 1410                            | 5000         | 1   |
| REJ1660121M500B | 1660      | 120              | 500               | 1820          | 25          | 1800                            | 5000         | 1   |

\* Used to denote packing type: "K" for Ammo Pack or "B" for Bulk Pack.

DF = When nominal capacitance exceeds 1000μF, add 0.02 to the value above for each 1000μF increase.

All technical data relates to an ambient temperature of +25°C. Capacitance and DF are measured at 120Hz, 0.5RMS with DC bias of 2.2 volts. DCL is measured at rated voltage after 3 minutes.

# Radial Leaded Aluminum Electrolytic Capacitors

## REJ Series



### FREQUENCY COEFFICIENT OF PERMISSIBLE RIPPLE CURRENT

| Rated Voltage (V) | Capacitance (μF) | Frequency (Hz) |      |      |      |      |
|-------------------|------------------|----------------|------|------|------|------|
|                   |                  | 50             | 120  | 1K   | 10K  | 100K |
| 6.3-100           | 4.7 - 180        | 0.60           | 0.70 | 0.85 | 0.95 | 1.00 |
|                   | 220 - 1800       | 0.65           | 0.75 | 0.90 | 0.98 | 1.00 |
|                   | 2200 - 10,000    | 0.75           | 0.80 | 1.00 | 1.00 | 1.00 |
| 200-500           | 2.2 - 330        | 0.55           | 0.65 | 0.80 | 0.90 | 1.00 |

### QUALIFICATION TABLE

| Test                                            | REJ series (Temperature range -40°C to +105°C (6.3-400V), -25°C to +105°C (450-500V))                                                                                                                                                                                              |                    |                                         |    |    |        |         |     |         |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------------------------------------|----|----|--------|---------|-----|---------|
|                                                 | Condition                                                                                                                                                                                                                                                                          | Characteristics    |                                         |    |    |        |         |     |         |
| Temperature Stability<br>(Max. Impedance Ratio) | 120Hz                                                                                                                                                                                                                                                                              | Rated Voltage (V)  | 6.3                                     | 10 | 16 | 25-100 | 200-250 | 400 | 450-500 |
|                                                 |                                                                                                                                                                                                                                                                                    | Z(-25°C) / Z(20°C) | 4                                       | 3  | 2  | 2      | 3       | 6   | 15      |
|                                                 |                                                                                                                                                                                                                                                                                    | Z(-40°C) / Z(20°C) | 8                                       | 6  | 4  | 3      | 4       | 10  | -       |
| Load Life                                       | The following specifications shall be satisfied when the capacitors are restored to 20°C after subjected to DC voltage with the rated ripple current is applied for 5000 hours (D ≤ 6.3: 2000 hours; D=8: 3000 hours) at 105°C.                                                    | ΔC/C               | within ±20% of initial limit            |    |    |        |         |     |         |
|                                                 |                                                                                                                                                                                                                                                                                    | DF                 | 200% or less of initial specified limit |    |    |        |         |     |         |
|                                                 |                                                                                                                                                                                                                                                                                    | DCL                | Initial specified limit or less         |    |    |        |         |     |         |
| Shelf Life                                      | The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1000 hours 105°C without voltage applied. Before the measurement, the capacitor shall be preconditioned by applying voltage according to them 4.1 of JIS C5101-4. | ΔC/C               | within ±20% of initial limit            |    |    |        |         |     |         |
|                                                 |                                                                                                                                                                                                                                                                                    | DF                 | 150% or less of initial specified limit |    |    |        |         |     |         |
|                                                 |                                                                                                                                                                                                                                                                                    | DCL                | Initial specified limit or less         |    |    |        |         |     |         |
| Standard                                        | JIS C 5101-4-1 (IEC 60384)                                                                                                                                                                                                                                                         |                    |                                         |    |    |        |         |     |         |

The endurance of capacitors is reduced with internal heating produced by ripple current at the rate of halving the lifetime with every 5°C rise. When long life performance is required in actual use the rms ripple current has to be reduced.

### STORAGE

- It is recommended to keep capacitors between the ambient temperatures of 5°C to 35°C and a relative humidity of 75% or below.
- Confirm that the environment does not have any of the following conditions:
  - Damp conditions such as water, saltwater spray, or oil spray or fumes. High humidity or humidity condensation situations.
  - In an atmosphere filled with toxic gasses (such as hydrogen sulfide, sulfurous acid, nitrous acid, chlorine, ammonia, etc.).
  - Being exposed to direct sunlight, ozone, ultraviolet ray, or radiation.
  - Being exposed to acidic or alkaline solutions.
  - Under severe conditions where vibration and / or mechanical shock exceed the applicable ranges of the specification.

| Category         | Description    | Storage Life                                                              |
|------------------|----------------|---------------------------------------------------------------------------|
| Mid-High Voltage | 160V and above | 2yrs, after 1yr, needs to check characteristics, if NG, needs to do aging |
| Low Voltage      | 120V and below | 2yrs                                                                      |

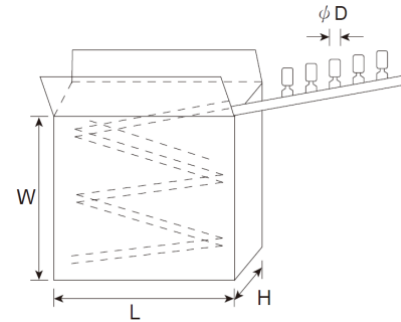
# Radial Leaded Aluminum Electrolytic Capacitors

## REJ Series

### PACKAGE TAPE DIMENSIONS

### AMMO PACKING

| Ammo Pack |          |          |          |            |             |             |
|-----------|----------|----------|----------|------------|-------------|-------------|
| Size Code | W±5 (mm) | L±5 (mm) | H±5 (mm) | Qty. (pcs) | G.W. kg/box | Box /Carton |
| 0511      | 235      | 327      | 54       | 2000       | 0.99        | 10          |
| 0611      | 235      | 327      | 54       | 1500       | 1.12        | 10          |
| 0615      | 235      | 327      | 54       | 1500       | 1.12        | 10          |
| 0812      | 265      | 327      | 51       | 1000       | 1.48        | 10          |
| 0816      | 265      | 327      | 51       | 1000       | 1.48        | 10          |
| 0820      | 265      | 327      | 51       | 1000       | 1.48        | 8           |
| 1013      | 235      | 330      | 57       | 600        | 1.29        | 5           |
| 1016      | 235      | 330      | 57       | 600        | 1.29        | 5           |
| 1020      | 235      | 330      | 57       | 600        | 1.48        | 5           |
| 1025      | 235      | 330      | 57       | 600        | 1.48        | 5           |
| 1030      | 235      | 330      | 57       | 600        | 1.48        | 5           |
| 1213      | 280      | 315      | 65       | 400        | 1.73        | 6           |
| 1220      | 280      | 315      | 65       | 400        | 1.73        | 6           |
| 1225      | 280      | 315      | 65       | 400        | 1.73        | 6           |
| 1230      | 280      | 315      | 65       | 450        | 1.73        | 6           |
| 1316      | 280      | 315      | 65       | 400        | 1.95        | 6           |
| 1318      | 280      | 315      | 65       | 400        | 1.95        | 6           |
| 1321      | 280      | 315      | 65       | 400        | 1.95        | 6           |
| 1325      | 280      | 315      | 65       | 400        | 2.35        | 6           |
| 1330      | 280      | 315      | 65       | 400        | 2.35        | 6           |



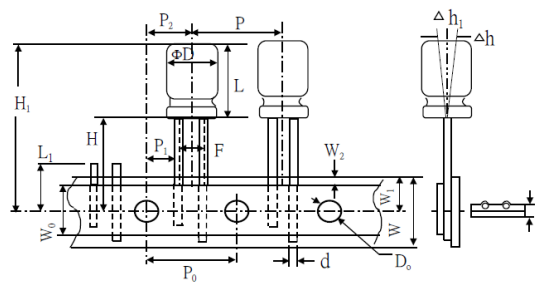
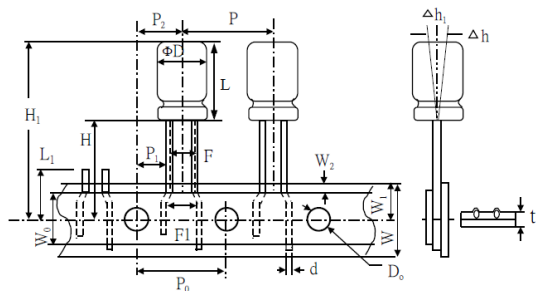
### LEAD FORMING TAPING SPECIFICATIONS FOR AMMO PACK

| Case Diameter | 5mm    | 6.3mm  | 8mm    | 10mm   | 12.5mm | 13mm   |
|---------------|--------|--------|--------|--------|--------|--------|
| Figure #      | Fig. 1 | Fig. 1 | Fig. 1 | Fig. 2 | Fig. 3 | Fig. 3 |

(Unit:mm)

Fig. 1 (Φ5-Φ8)

Fig. 2 (Φ10)



| Items                                         | Symbol          | Case Size |      |       |       |       |       |       |       |       |       |       | Tolerance      | Remark       |
|-----------------------------------------------|-----------------|-----------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------|--------------|
|                                               |                 | 0511      | 0611 | 0615  | 0812  | 0816  | 0820  | 1013  | 1016  | 1020  | 1025  | 1030  |                |              |
| Lead Wire Diameter                            | d               | 0.50/0.60 |      |       |       |       |       | 0.60  |       |       |       |       | ±0.05          |              |
| Body Height                                   | L               | 13.00     |      | 16.00 | 13.00 | 18.00 | 22.00 | 14.00 | 18.00 | 22.00 | 27.00 | 32.00 | max            |              |
| Intervals of Bodies                           | P               | 12.70     |      |       |       |       |       |       |       |       |       |       | ±1.00          |              |
| Intervals of Punched Holes                    | P <sub>0</sub>  | 12.70     |      |       |       |       |       |       |       |       |       |       | ±0.20          |              |
| Distance between Holes and Lead Wire          | P <sub>1</sub>  | 3.85      |      |       |       |       |       |       |       |       |       |       |                | Fig.1        |
|                                               |                 | 5.10      | 5.10 |       |       |       |       |       |       |       |       | ±0.70 | Fig.2          |              |
|                                               |                 | 5.35      |      |       |       |       |       |       |       |       |       |       |                |              |
| Distance between Holes and Body Center        | P <sub>2</sub>  | 6.35      |      |       |       |       |       |       |       |       |       |       | ±1.00          |              |
| Distance between Lead and Lead                | F               | 5.00      |      |       |       |       |       | 5.00  |       |       |       |       | +0.80<br>-0.20 | Fig.1        |
|                                               |                 | 2.50      | 2.50 | 3.50  |       |       |       |       |       |       |       |       |                |              |
|                                               |                 | 2.00      |      |       |       |       |       |       |       |       |       |       |                |              |
| Distance between Lead and Lead                | F <sub>1</sub>  | 5.00      |      |       |       |       |       |       |       |       |       |       |                | Fig.2        |
| Base Tape Width                               | W               | 18.00     |      |       |       |       |       |       |       |       |       |       | ±0.50          |              |
| Adhesive Tape Width                           | W <sub>0</sub>  | 10.00     |      |       | 12.00 |       |       |       |       |       |       |       | min            |              |
| Deviation between Holes and Base Tape         | W <sub>1</sub>  | 9.00      |      |       |       |       |       |       |       |       |       |       | ±0.50          |              |
| Deviation between Adhesive and Base Tape      | W <sub>2</sub>  | 1.50      |      |       |       |       |       |       |       |       |       |       | max            |              |
| Deviation between Body Bottom and Tape Center | H               | 18.50     |      |       |       |       |       |       |       |       |       |       | ±0.75          | Fig.1, Fig.2 |
| Lead Wire Clinched Height                     | H <sub>0</sub>  | 16.00     |      |       |       |       |       |       |       |       |       |       | ±0.50          |              |
| Distance between Body Top and Tape Center     | H <sub>1</sub>  | 32.00     |      | 35.00 | 33.00 | 38.00 | 42.00 | 34.00 | 38.00 | 42.00 | 47.00 | 52.00 | max            |              |
| Punched Hole Diameter                         | D <sub>0</sub>  | 4.00      |      |       |       |       |       |       |       |       |       |       | ±0.30          |              |
| Length of not Good Lead Slit                  | L <sub>1</sub>  | 11.00     |      |       |       |       |       |       |       |       |       |       | max            |              |
| Base and Adhesive Tape Thickness              | t               | 0.70      |      |       |       |       |       |       |       |       |       |       | ±0.20          |              |
| Deviation of Body Alignment                   | Δh              | 0         |      |       |       |       |       |       |       |       |       |       | ±2.00          |              |
| Deviation of Body Alignment                   | Δh <sub>1</sub> | 0         |      |       |       |       |       |       |       |       |       |       | ±2.00          |              |

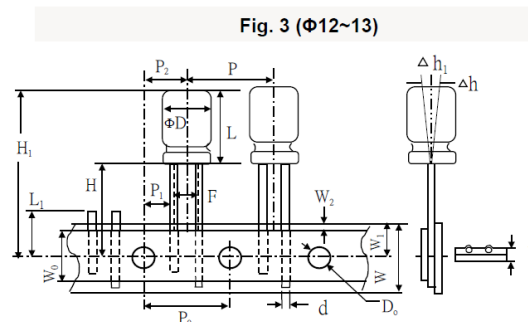
\*All dimensions in mm

# Radial Leaded Aluminum Electrolytic Capacitors

## REJ Series

| Items                                     | Symbol          | Case Size |       |       |       |       |              |              | Tolerance   |
|-------------------------------------------|-----------------|-----------|-------|-------|-------|-------|--------------|--------------|-------------|
|                                           |                 | 1213      | 1316  | 1318  | 1220  | 1321  | 1225<br>1325 | 1230<br>1330 |             |
| Lead Wire Diameter                        | d               |           |       |       | 0.60  |       |              |              | ±0.05       |
| Body Height                               | L               | 14.00     | 18.00 | 20.00 | 22.00 | 23.00 | 27.00        | 32.00        | max         |
| Intervals of Bodies                       | P               |           |       |       | 15.00 |       |              |              | ±1.00       |
| Intervals of Punched Holes                | P <sub>0</sub>  |           |       |       | 15.00 |       |              |              | ±0.20       |
| Distance between Holes and Lead Wire      | P <sub>1</sub>  |           |       |       | 5.00  |       |              |              | ±0.70       |
| Distance between Holes and Bodies         | P <sub>2</sub>  |           |       |       | 7.50  |       |              |              | ±1.00       |
| Distance between Lead and Lead            | F               |           |       |       | 5.00  |       |              |              | +0.80 -0.20 |
| Base Tape Width                           | W               |           |       |       | 18.00 |       |              |              | ±0.50       |
| Adhesive Tape Width                       | W <sub>0</sub>  |           |       |       | 12.00 |       |              |              | min         |
| Deviation between Holes and Base Tape     | W <sub>1</sub>  |           |       |       | 9.00  |       |              |              | ±0.50       |
| Deviation between Adhesive and Base Tape  | W <sub>2</sub>  |           |       |       | 1.50  |       |              |              | max         |
| Deviation between Body Bottom             | H               |           |       |       | 18.50 |       |              |              | ±0.75       |
| Distance between Body Top and Tape Center | H <sub>1</sub>  | 34.00     | 38.00 | 40.00 | 42.00 | 43.00 | 47.00        | 52.00        | max         |
| Punched Hole Diameter                     | D <sub>0</sub>  |           |       |       | 4.00  |       |              |              | ±0.30       |
| Length of not Good Lead Slit              | L <sub>1</sub>  |           |       |       | 11.00 |       |              |              | max         |
| Base and Adhesive Tape Thickness          | t               |           |       |       | 0.70  |       |              |              | ±0.20       |
| Deviation of Body Alignment               | Δh              |           |       |       | 0     |       |              |              | ±2.00       |
| Deviation of Body Alignment               | Δh <sub>1</sub> |           |       |       | 0     |       |              |              | ±2.00       |

\*All dimensions in mm



## BULK PACKING

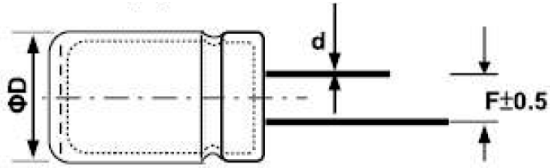
| Size Code | Bulk      |        | Ammo Taping |        |        |
|-----------|-----------|--------|-------------|--------|--------|
|           | Bag / Box | Carton | Box         | Carton |        |
| 0511      | Bag       | 1000   | 20,000      | 2000   | 20,000 |
| 0611      | Bag       | 1000   | 16,000      | 1500   | 15,000 |
| 0615      | Bag       | 1000   | 10,000      | 1500   | 15,000 |
| 0812      | Bag       | 500    | 9000        | 1000   | 10,000 |
| 0816      | Bag       | 500    | 8000        | 1000   | 10,000 |
| 0820      | Bag       | 500    | 6000        | 1000   | 8000   |
| 1013      | Bag       | 200    | 4400        | 600    | 3000   |
| 1016      | Bag       | 200    | 3600        | 600    | 3000   |
| 1020      | Bag       | 200    | 3600        | 600    | 3000   |
| 1025      | Bag       | 200    | 3200        | 600    | 3000   |
| 1030      | Bag       | 150    | 2700        | 600    | 3000   |
| 1213      | Bag       | 150    | 2100        | 400    | 2400   |
| 1220      | Bag       | 150    | 2100        | 400    | 2400   |
| 1225      | Bag       | 150    | 2100        | 400    | 2400   |
| 1230      | Bag       | 100    | 1400        | 450    | 2700   |
| 1316      | Bag       | 150    | 2100        | 400    | 2400   |
| 1318      | Bag       | 150    | 2100        | 400    | 2400   |
| 1321      | Bag       | 150    | 2100        | 400    | 2400   |
| 1325      | Bag       | 150    | 1800        | 400    | 2400   |
| 1330      | Bag       | 100    | 1400        | 400    | 2400   |
| 1620      | Box       | 390    | 1560        | -      | -      |
| 1625      | Box       | 390    | 1560        | -      | -      |
| 1635      | Box       | 390    | 1560        | -      | -      |
| 1640      | Box       | 390    | 1560        | -      | -      |
| 1650      | Box       | 390    | 1560        | -      | -      |
| 1660      | Box       | 182    | 728         | -      | -      |
| 1820      | Box       | 286    | 1144        | -      | -      |
| 1825      | Box       | 286    | 1144        | -      | -      |
| 1830      | Box       | 286    | 1144        | -      | -      |
| 1832      | Box       | 286    | 1144        | -      | -      |
| 1835      | Box       | 286    | 1144        | -      | -      |
| 1836      | Box       | 286    | 1144        | -      | -      |
| 1840      | Box       | 286    | 1144        | -      | -      |
| 1850      | Box       | 286    | 1144        | -      | -      |
| 2225      | Box       | 198    | 792         | -      | -      |
| 2240      | Box       | 198    | 792         | -      | -      |

# Radial Leaded Aluminum Electrolytic Capacitors

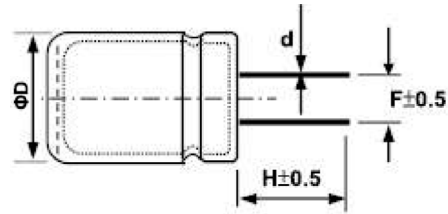
## REJ Series

### TERMINATION TYPE

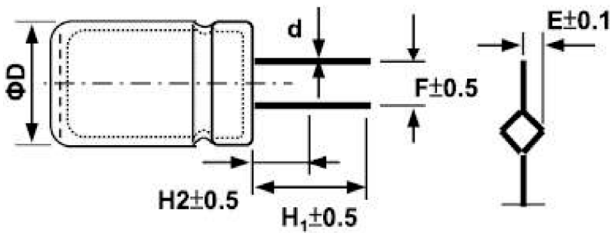
**Letter “ ”:** Empty = Standard Long lead.



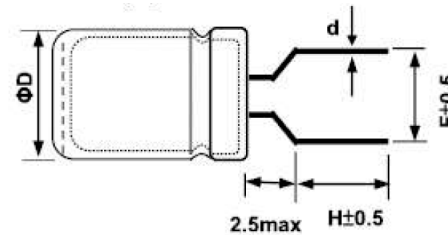
**Letter “C”:** Lead cut only.



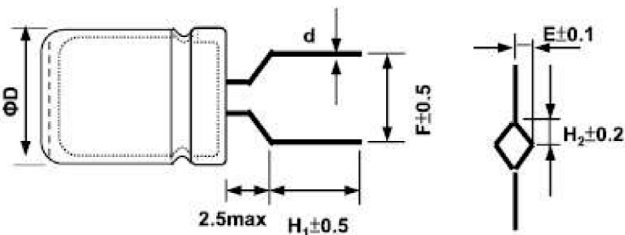
**Letter “D”:** Lead cut and crimp.



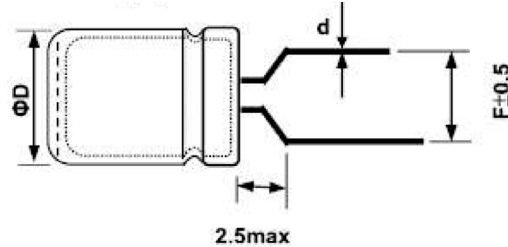
**Letter “F”:** Lead cut and form.



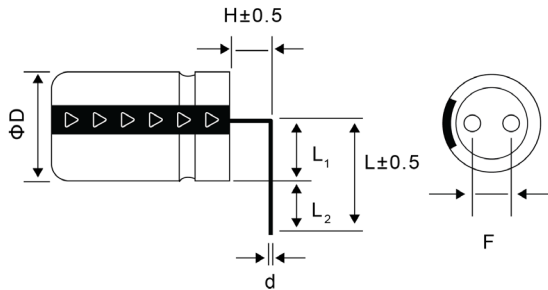
**Letter “H”:** Lead cut, crimp, and form.



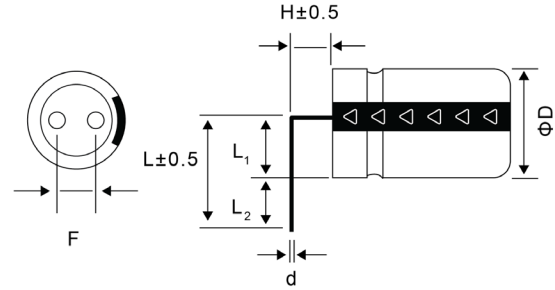
**Letter “B”:** Forming only.



**Letter “L”:** Lead cut and bend (Left).



**Letter “Z”:** Lead cut and bend (Right).



# Radial Leaded Aluminum Electrolytic Capacitors

## REJ Series

### TERMINATION TYPE

| Letter | Termination Type           | Dø             | 5ø   | 6.3ø | 8ø   | 10ø  | 12.5ø | 13ø  | 16ø  | 18ø  | 22ø   |
|--------|----------------------------|----------------|------|------|------|------|-------|------|------|------|-------|
|        | Standard long lead         | F              | 2.00 | 2.50 | 3.50 | 5.00 | 5.00  | 5.00 | 7.50 | 7.50 | 10.00 |
|        |                            | d              | 0.50 | 0.50 | 0.50 | 0.60 | 0.60  | 0.60 | 0.80 | 0.80 | 0.80  |
| C      | Lead cut only              | F              | 2.00 | 2.50 | 3.50 | 5.00 | 5.00  | 5.00 | 7.50 | 7.50 | 10.00 |
|        |                            | H              | 5.00 | 5.00 | 5.00 | 5.00 | 5.00  | 5.00 | 5.00 | 5.00 | 5.00  |
|        |                            | d              | 0.50 | 0.50 | 0.50 | 0.60 | 0.60  | 0.60 | 0.80 | 0.80 | 0.80  |
| D      | Lead cut and crimp         | E              | 1.12 | 1.12 | 1.32 | 1.32 | 1.32  | 1.32 | 1.32 | 1.32 | 1.50  |
|        |                            | F              |      |      |      | 5.00 | 5.00  | 5.00 | 7.70 | 7.50 | 10.00 |
|        |                            | H <sub>1</sub> |      |      |      | 5.00 | 5.00  | 5.00 | 5.00 | 5.00 | 5.00  |
|        |                            | H <sub>2</sub> |      |      |      | 1.80 | 1.80  | 1.80 | 1.80 | 1.80 | 1.80  |
|        |                            | d              |      |      |      | 0.60 | 0.60  | 0.60 | 0.80 | 0.80 | 0.80  |
| F      | Lead cut and form          | F              | 5.00 | 5.00 | 5.00 |      |       |      |      |      |       |
|        |                            | H              | 5.00 | 5.00 | 5.00 |      |       |      |      |      |       |
|        |                            | d              | 0.50 | 0.50 | 0.50 |      |       |      |      |      |       |
| H      | Lead, cut, crimp, and form | E              | 1.12 | 1.12 | 1.32 | 1.32 | 1.32  | 1.32 | 1.32 | 1.32 | 1.50  |
|        |                            | F              | 5.00 | 5.00 | 5.00 |      |       |      |      |      |       |
|        |                            | H <sub>1</sub> | 5.00 | 5.00 | 5.00 |      |       |      |      |      |       |
|        |                            | H <sub>2</sub> | 1.80 | 1.80 | 1.80 |      |       |      |      |      |       |
|        |                            | d              | 0.50 | 0.50 | 0.50 |      |       |      |      |      |       |
| B      | Forming only               | F              | 5.00 | 5.00 | 5.00 |      |       |      |      |      |       |
|        |                            | d              | 0.50 | 0.50 | 0.50 |      |       |      |      |      |       |
| L/Z    | Lead cut and bend          | F              | 2.00 | 2.50 | 3.50 | 5.00 | 5.00  | 5.00 | 7.50 | 7.50 | 10.00 |
|        |                            | H              | 2.00 | 2.00 | 2.50 | 2.50 | 2.50  | 2.50 | 2.50 | 2.50 | 2.50  |
|        |                            | L <sub>1</sub> | 2.70 | 3.40 | 4.50 | 5.30 | 6.60  | 6.80 | 8.40 | 9.40 | 11.40 |
|        |                            | L <sub>2</sub> | 3.50 | 3.50 | 3.50 | 3.50 | 3.50  | 3.50 | 3.50 | 3.50 | 3.50  |
|        |                            | d              | 0.50 | 0.50 | 0.50 | 0.60 | 0.60  | 0.60 | 0.80 | 0.80 | 0.80  |

\*All dimensions in mm.