

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

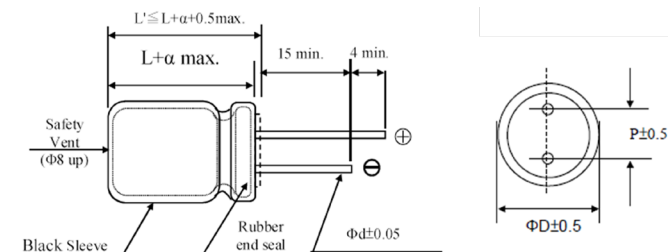


HOW TO ORDER

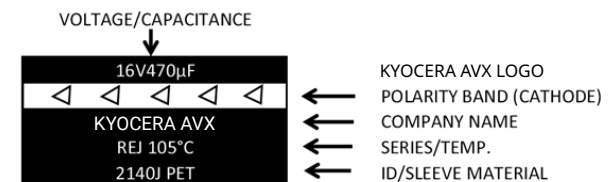
R	EJ	0812	471	M	016	K	-
Product Type	Series Type	Case Size	Capacitance Code	Tolerance	Rated DC Voltage	Packaging	Lead Type
Radial Aluminum		See table below	µF code: 1st two digits represent significant figures, 3rd digit represents multiplier (number of zeros to follow)	M = ±20%	006 = 6.3Vdc 010 = 10Vdc 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 B = Bulk Pack	" " empty = Standard long lead "C" = Lead cut only "D" = Lead cut and crimp "F" = Lead cut and form "H" = Lead cut, crimp and form "B" = Forming only "L" = Lead cut and bend (Left) "Z" = Lead cut and bend (Right)

CASE DIMENSIONS millimeters (inches)

Code	D+0.50 (0.020)	L	d±0.05 (0.002)	P±0.50 (0.020)	α	Typical Weight (g)	Code	D+0.50 (0.020)	L	d±0.05 (0.002)	P±0.50 (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



*If different rubber seal is needed, please contact your sales representative.
 *For ammo packing lead shape please refer to "Lead forming taping specification for ammo pack".
 *If different lead shape is needed, please refer to "Termination type".

Radial Leaded Aluminum Electrolytic Capacitors

REJ Series

TECHNICAL SPECIFICATIONS

Category Temperature Range:	-40°C to +105°C (6.3-400V), -25°C to +105°C (450-500V)		
Capacitance Range	at 25°C, 120Hz	2.2μF – 10,000μF	
Capacitance Tolerance:	at 25°C, 120Hz	±20%	
Dissipation Factor (%)	Measurement Frequency: 120Hz at 25°C	Please see the Ratings and Part Number Reference Table below	
Leakage Current:	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 _R)													
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

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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
6.3 Volt								
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
10 Volt								
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
16 Volt								
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
25 Volt								
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
35 Volt								
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
50 Volt								
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
63 Volt								
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

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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
80 Volt								
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
100 Volt								
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
200 Volt								
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
250 Volt								
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
400 Volt								
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
450 Volt								
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
500 Volt								
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.

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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 (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 (if between 35°C to 85°C, it should be less than three months) and the 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, 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.
- Shelf life

Years		
0-1	1-2	>2
Ok	Ok	Performance check

- Years from manufacturing date code.
- KYOCERA AVX does not guarantee or assume responsibility for product behavior after 3 years of storage.
- Ageing procedure should be performed as follows:
 - Connect the capacitor in series to a 1kΩ resistor, and apply half rated voltage for 2 hours.
 - After half rated voltage for 2 hours applied, increase and apply rated voltage for another 2 hours.

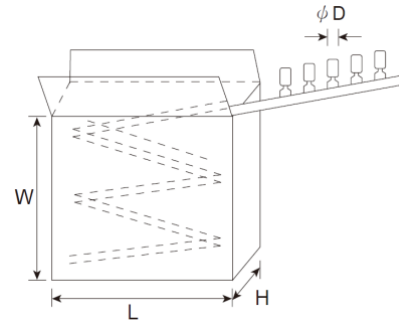
Radial Leaded Aluminum Electrolytic Capacitors

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



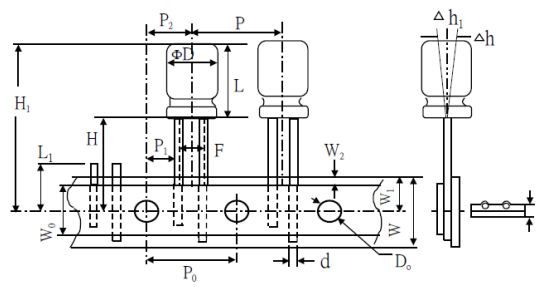
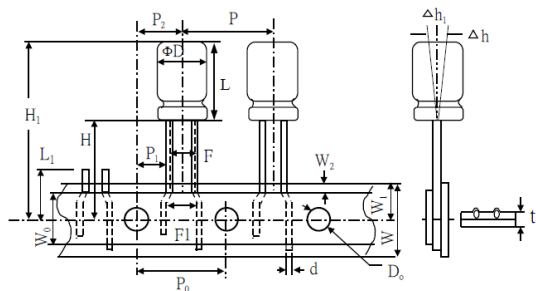
LEAD FORMING TAPING SPECIFICATIONS FOR AMMO PACK

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 ₀	12.70										±0.20		
Distance between Holes and Lead Wire	P ₁	3.85											Fig.1	
		5.10	5.10										±0.70	Fig.2
		5.35												
Distance between Holes and Body Center	P ₂	6.35										±1.00		
Distance between Lead and Lead	F	5.00											Fig.1	
		2.50	2.50	3.50		5.00				+0.80 -0.20	Fig.2			
		2.00												
Distance between Lead and Lead	F ₁	5.00											Fig.2	
Base Tape Width	W	18.00										±0.50		
Adhesive Tape Width	W ₀	10.00			12.00							min		
Deviation between Holes and Base Tape	W ₁	9.00										±0.50		
Deviation between Adhesive and Base Tape	W ₂	1.50										max		
Deviation between Body Bottom and Tape Center	H	18.50										±0.75	Fig.1, Fig.2	
Lead Wire Clinched Height	H ₀	16.00										±0.50		
Distance between Body Top and Tape Center	H ₁	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 ₀	4.00										±0.30		
Length of not Good Lead Slit	L ₁	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 ₁	0										±2.00		

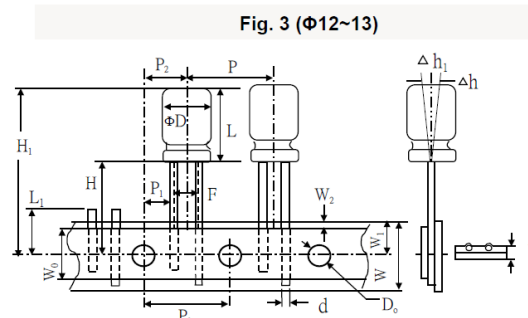
*All dimensions in mm

Radial Leaded Aluminum Electrolytic Capacitors

REJ Series

Items	Symbol	Case Size							Tolerance
		1213	1316	1318	1220	1321	1225 1325	1230 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 ₀	15.00							±0.20
Distance between Holes and Lead Wire	P ₁	5.00							±0.70
Distance between Holes and Bodies	P ₂	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 ₀	12.00							min
Deviation between Holes and Base Tape	W ₁	9.00							±0.50
Deviation between Adhesive and Base Tape	W ₂	1.50							max
Deviation between Body Bottom	H	18.50							±0.75
Distance between Body Top and Tape Center	H ₁	34.00	38.00	40.00	42.00	43.00	47.00	52.00	max
Punched Hole Diameter	D ₀	4.00							±0.30
Length of not Good Lead Slit	L ₁	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 ₁	0							±2.00

*All dimensions in mm



BULK PACKING

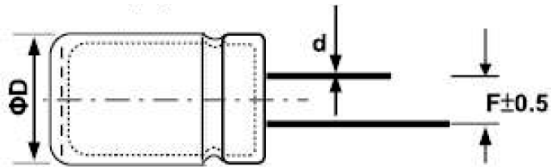
Size Code	Bulk		Ammo Taping	
	Bag / Box	Carton	Box	Carton
0511	Bag	1000	20,000	2000
0611	Bag	1000	16,000	1500
0615	Bag	1000	10,000	1500
0812	Bag	500	9000	1000
0816	Bag	500	8000	1000
0820	Bag	500	6000	1000
1013	Bag	200	4400	600
1016	Bag	200	3600	600
1020	Bag	200	3600	600
1025	Bag	200	3200	600
1030	Bag	150	2700	600
1213	Bag	150	2100	400
1220	Bag	150	2100	400
1225	Bag	150	2100	400
1230	Bag	100	1400	450
1316	Bag	150	2100	400
1318	Bag	150	2100	400
1321	Bag	150	2100	400
1325	Bag	150	1800	400
1330	Bag	100	1400	400
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

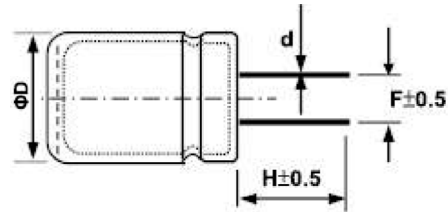
REJ Series

TERMINATION TYPE

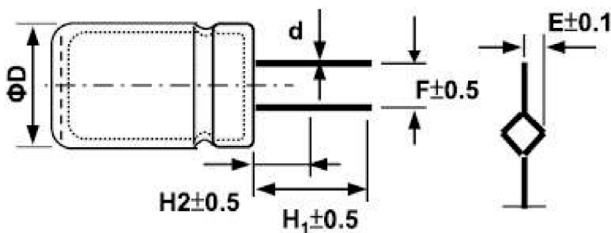
Letter “ ”: Empty = Standard Long lead.



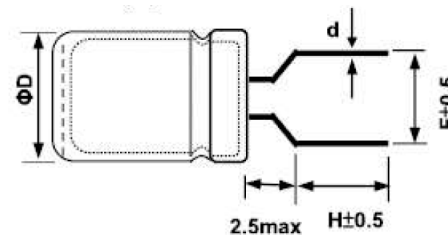
Letter “C”: Lead cut only.



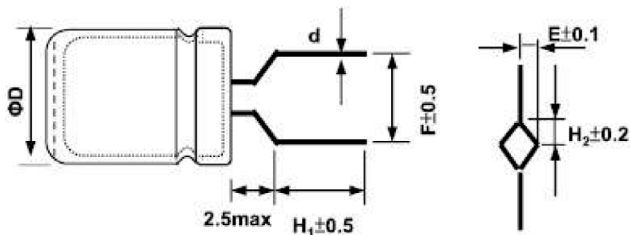
Letter “D”: Lead cut and crimp.



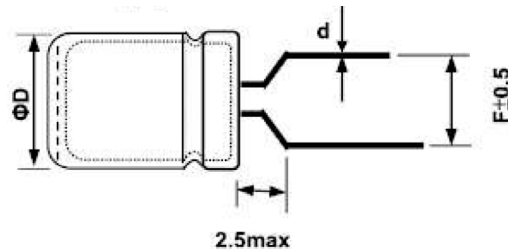
Letter “F”: Lead cut and form.



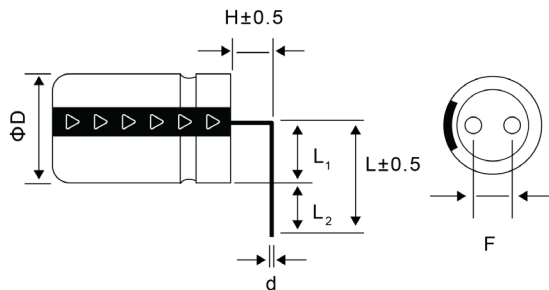
Letter “H”: Lead cut, crimp, and form.



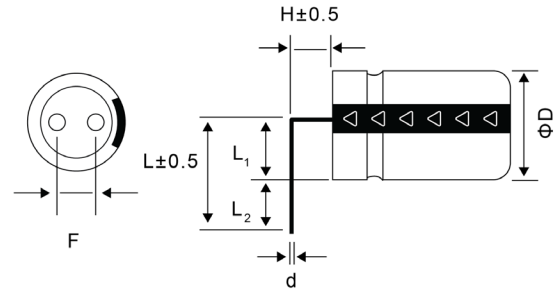
Letter “B”: Forming only.



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
	Lead cut only	F	2.00	2.50	3.50	5.00	5.00	5.00	7.50	7.50	10.00
C		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
		E	1.12	1.12	1.32	1.32	1.32	1.32	1.32	1.32	1.50
D	Lead cut and crimp	F				5.00	5.00	5.00	7.70	7.50	10.00
		H ₁				5.00	5.00	5.00	5.00	5.00	5.00
		H ₂				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 ₁	5.00	5.00	5.00						
		H ₂	1.80	1.80	1.80						
		d	0.50	0.50	0.50						
		F	5.00	5.00	5.00						
B	Forming only	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 ₁	2.70	3.40	4.50	5.30	6.60	6.80	8.40	9.40	11.40
		L ₂	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.