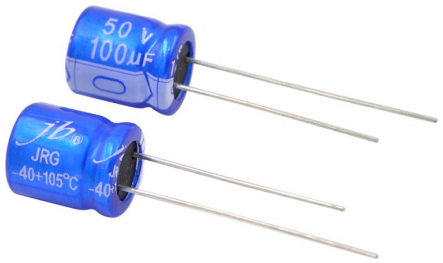
Leaded Radial Aluminum Electrolytic Capacitor – JRG

EXTREMELY LOW IMPEDANCE, LONG LIFE



- 4000~10000 hours load life at 105℃
- Suitable for long life applications
- Comply with the RoHS directive

SPECIFICATIONS

Operating Temperature Range (℃)	-40℃ ~ +105℃
Voltage Range (V)	6.3 ~ 63V
Capacitance Range (uF)	0.47 ~ 18000 μF
Capacitance Tolerance (20℃, 120Hz)	±20% at 120Hz, 20℃
Leakage Current (μA)	Leakage current = 0.01CV or 3μA, whichever is greater (after 2 minutes application of rated voltage)
Dissipation Factor (tan δ)	Measurement frequency : 120Hz, Temperature : 20℃

Rated Voltage (V)	6.3	10	16	25	35	50	63
Tan δ (max)	0.22	0.19	0.16	0.14	0.12	0.10	0.09

Stability at Low Temperature — Measurement frequency :120Hz

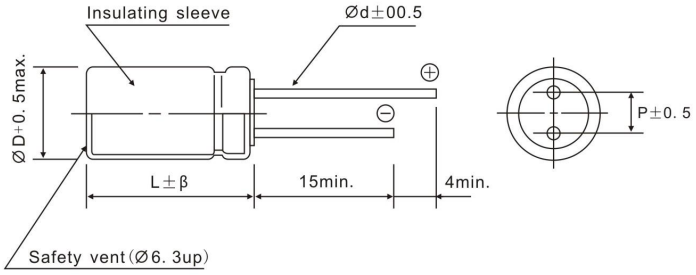
Rated Voltage (V)		6.3.	10	16	25 - 63
Impedance Ratio	Z(-25℃) / Z (20 ℃)	4	3	2	2
	Z(-40℃) / Z(20℃)	8	6	4	3

Load Life — After 10000 hours 【Ø5 x 15mm for 5000 hours, Ø5 ~ Ø6.3 and WV≦ 10 products are for 4000 hours, Ø8 ~ Ø10 and WV≦ 10 products are for 6000 hours , Ø13 and WV≦10 products are for 8000 hours, Ø8 ~ Ø10 and WV≧16 products are for 7000 hours, Ø≧13 and WV≧ 16 products are for 10000 hours】application of the rated voltage at 105℃ , they meet the characteristics listed below.

Capacitance Change	Within±25% of initial measured value
Dissipation Factor	≦200% of initial specified value
Leakage Current	≦initial specified value

Shelf life — After leaving capacitors under no load at 105℃ for 1000 hours, they meet the specified value for load life characteristics listed above.

DRAWING (Unit: mm)



ØD	5	6.3	8 (L≦11.5)	8 (L≧16)	10	13	16	18
P	2.0	2.5	3.5		5.0		7.5	
Ød	0.5			0.6			0.8	
β	1.5				2.0			

FREQUENCY COEFFICIENT OF ALLOWABLE RIPPLE CURRENT

Frequency(Hz)		60Hz	120Hz	300Hz	1KHz	10KHz~
Coefficient	<33μF	0.20	0.42	0.52	0.70	0.90
	39~270μF	0.26	0.50	0.55	0.73	0.92
	330~ 680μF	0.28	0.55	0.60	0.77	0.94
	820~1800μF	0.35	0.60	0.70	0.80	0.96
	2200~18000μF	0.42	0.70	0.77	0.85	0.98

Please visit our website to get more update data, those data & specification are subject to change without notice.

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DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT & IMPEDANCE

WV / μF		6.3 (0J)		10 (1A)		16 (1C)		25 (1E)	
		Case Size ØDxL (mm)	Ripple Current (mA rms, 105℃ 100KHz)	Case Size ØDxL (mm)	Ripple Current (mA rms, 105℃ 100KHz)	Case Size ØDxL (mm)	Ripple Current (mA rms, 105℃ 100KHz)	Case Size ØDxL (mm)	Ripple Current (mA rms, 105℃ 100KHz)
47	470							5x11	210
56	560					5x11	210		
100	101			5x11	210			6.3x11.5	340
150	151	5x11	210			6.3x11.5	340		
220	221			6.3x11.5	340	8x11.5	430	8x11.5	640
330	331	6.3x11.5	340			8x11.5	640	8x16	840
470	471			8x11.5	640	8x16	840	10x16	1210
680	681	8x11.5	640	8x16	840	10x16	1210	10x20	1400
820	821	10x12	865					10x25	1650
1000	102	8x16	840	10x16	1210	10x20	1400	13x21	1900
1200	122	10x16	1210	10x20	1400	10x25	1650	13x25	2210
1500	152	13x21	1400	13x21	1450	13x21	1900	13x25	2230
1800	182	13x21	1450						
2200	222	13x21	1650	13x21	1900	13x25	2230	13x35	2880

WV / μF		35V (1V)		50V (1H)		63V	
		Case Size ØDxL (mm)	Ripple Current (mA rms, 105℃ 100KHz)	Case Size ØDxL (mm)	Ripple Current (mA rms, 105℃ 100KHz)	Case Size ØDxL (mm)	Ripple Current (mA rms, 105℃ 100KHz)
0.47	R47			5x11	17		
1	010			5x11	30		
2.2	2R2			5x11	43		
3.3	3R3			5x11	53		
4.7	4R7			5x11	95		
10	100			6.3x11.5	130		
15	150					6.3x11.5	165
22	220			6.3x11.5	180		
33	330	5x11	210			6.3x11.5	265
47	470	6.3x11.5	340	8x11.5	295		
56	560	6.3x11.5	340			8x11.5	500
82	820					8x16	665
100	101			10x12	555		
120	121			10x16	730	10x16	950
150	151	8x11.5	640	10x16	760		
180	181			10x16	910	10x20	1150
220	221	10x12	865	10x20	1050	10x25	1350
330	331	10x16	1210	10x25	1440		
470	471	10x20	1400	13x21	1660	16x25	2000
680	681	13x21	1900	13x30	2310	16x31	2600
820	821			13x35	2510	16x31	2850
1000	102	16x25	2230	13x40	2920	16x35	2900
1200	122	13x30	2650	16x31	3010	18x31	3300
1500	152	13x35	2880	16x35	3150	18x35	3400
2200	222	18x31	3140	18x35	3680		

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