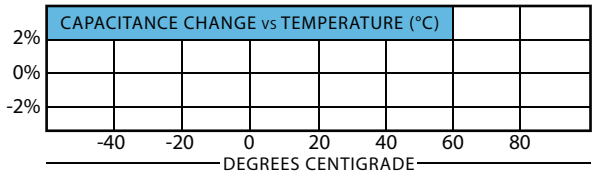
LJ SERIES

METALIZED POLYESTER | PHENOLIC CASE

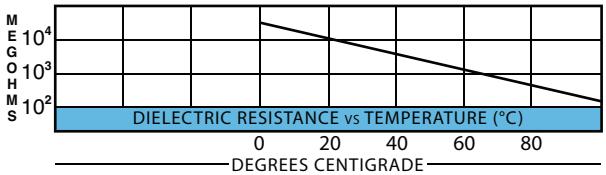
'LJ' Capacitors are oil-impregnated, oil-filled and hermetically sealed designed for high voltage application with plastic-paper dielectrics. Connections are made to the extended foil sections with medium-heavy wiring allowing large discharge current. Consult factory for current and repetition rate limits. Applications include; power supply filters, discharge, pulse forming networks, bypass, and arc and spark suppression.

TEMPERATURE RANGE is -55°C to 65°C (No derating)

CAPACITANCE TOLERANCE: ± 10% standard, optional ± 5% tolerance.



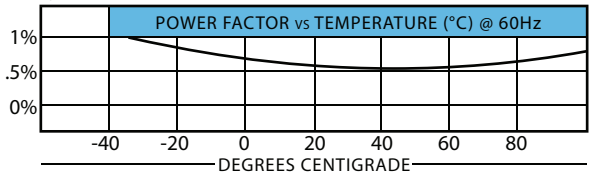
DIELECTRIC RESISTANCE (parallel resistance) is indicated in the graph below with nameplate voltage applied. Minimum acceptable resistance is 10,000 megohms per microfarad or 10,000 megohms. Whichever is less.



PEAK RIPPLE VOLTAGE plus the DC voltage must not exceed the nameplate voltage. As a general rule, the acceptable peak-to-peak ripple voltage for a given frequency is listed below. This is not valid at higher voltages and larger capacitance values.

FREQUENCY Hz	RIPPLE VOLTAGE %
60	25
120	20
400	5
1000	3

TEST VOLTAGE is 150% of nameplate voltage for two minutes in air at room temperature.



Other styles are available—see outline drawings. All are not suitable for all voltages. The styles shown are with a mounting foot. Dropping the suffix "F" indicates no foot supplied.

IMPREGNANT is a highly refined/purified and inhibited mineral oil with a flash point greater than 145°C when measured per method 110.3.4 specification V V-L-791.

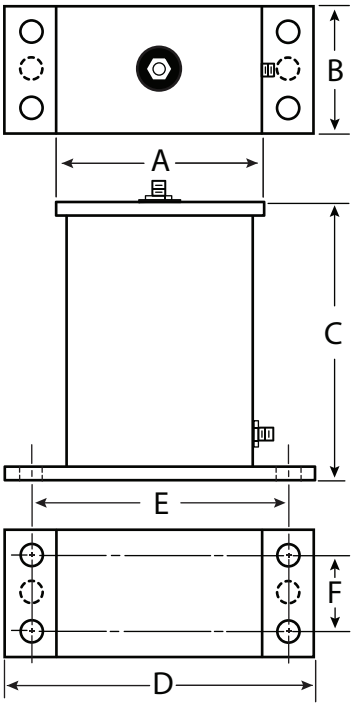
DIELECTRIC is a combination of polyester film and Kraft capacitor tissue. Aluminum foils constitute the plates and the capacitor sections have extended foils insuring low I2R losses and low inductance.

CASE is fabricated paper-phenolic with flexible side walls, permitting the case to be completely filled with the impregnant. This feature provides expansion and contraction of the oil over the temperature range.

TERMINALS on Type 'LJ' suffix B (for styles B) are ¼-20 brass screws. Other size terminals or threaded inserts may be supplied on special order.

MOUNTING FOOT has holes for ¼-20 screw—small bases have 2 holes and larger base sizes have 4 holes.

HOW TO ORDER: Select the part number from the list and add suffix "-5", if 5% capacitance tolerance is required. For other styles consult factory.



STANDARD CONTAINER SIZES

A - 2 3/4	3 3/4	4 3/4	3 3/4
B - 1 3/4	1 3/4	1 3/4	2 3/4
D - 4	5	6	5
E - 3 5/16	4 5/16	5 5/16	4 5/16
F - *	*	*	*
A - 4 3/4	4 3/4	5 3/4	6 3/4
B - 2 3/4	3 3/4	3 3/4	3 3/4
D - 6	6	7	8
E - 5 3/8	5 3/8	6 3/8	7 3/8
F - *	2 1/4	2 1/4	2 1/4
A - 6 3/4	6 3/4	8 3/4	10 3/4
B - 4 3/4	5 3/4	5 3/4	5 3/4
D - 8	8	10	12
E - 7 3/8	7 5/16	9 5/16	11 5/16
F - 3 1/4	4 1/4	4 1/4	4 1/4
A - 10 3/4	10 3/4		
B - 6 3/4	7 3/4		
D - 12	12		
E - 11 5/16	11 5/16		
F - 5 1/4	6 1/4		

***2-HOLE BRACKET**

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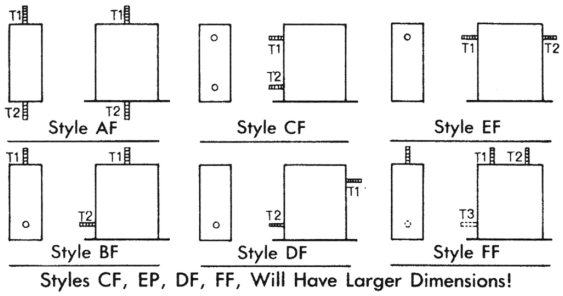
Plastic Capacitors

LJ SERIES

METALIZED POLYESTER | PHENOLIC CASE

VDC	Model	µF	A	B	C	D
30,000	LJ300-103	0.0100	2.75	1.75	6.00	4.00
	LJ300-203	0.0200	3.75	1.75	6.00	5.00
	LJ300-303	0.0300	4.75	1.75	6.00	6.00
	LJ300-503	0.0500	3.75	2.75	6.50	5.00
	LJ300-603	0.0600	4.75	2.75	6.63	6.00
	LJ300-104	0.1000	5.75	3.75	6.00	6.00
	LJ300-124	0.1200	5.75	3.75	6.00	7.00
	LJ300-154	0.1500	6.75	3.75	6.00	8.00
	LJ300-204	0.2000	6.75	4.75	6.00	8.00
	LJ300-254	0.2500	6.75	5.75	6.25	8.00
	LJ300-304	0.3000	6.75	5.75	6.00	8.00
40,000	LJ400-103	0.0100	3.75	1.75	7.00	5.00
	LJ400-203	0.0200	4.75	1.75	7.00	6.00
	LJ400-303	0.0300	3.75	2.75	7.00	5.00
	LJ400-503	0.0500	4.75	2.75	7.50	6.00
	LJ400-603	0.0600	4.75	3.75	7.00	6.00
	LJ400-104	0.1000	5.75	3.75	7.00	7.00
	LJ400-124	0.1200	6.75	3.75	7.00	8.00
	LJ400-154	0.1500	6.75	4.75	7.00	8.00
	LJ400-204	0.2000	6.75	4.75	7.00	8.00
	LJ400-254	0.2500	8.75	5.75	7.25	10.00
	LJ400-304	0.3000	8.75	5.75	5.25	10.00
50,000	LJ500-502	0.0050	2.75	1.75	8.00	4.00
	LJ500-103	0.0100	3.75	1.75	8.00	5.00
	LJ500-203	0.0200	4.75	1.75	8.00	6.00
	LJ500-303	0.0300	3.75	2.75	9.00	5.00
	LJ500-503	0.0500	4.75	2.75	10.25	6.00
	LJ500-603	0.0600	4.75	3.75	8.00	6.00
	LJ500-104	0.1000	6.75	3.75	8.25	8.00
	LJ500-124	0.1200	6.75	4.75	9.00	8.00
	LJ500-154	0.1500	6.75	4.75	9.00	8.00
	LJ500-204	0.2000	8.75	5.75	9.00	10.00
	LJ500-254	0.2500	8.75	5.75	9.00	10.00
	LJ500-304	0.3000	10.75	5.75	9.00	12.00
60,000	LJ600-502	0.0050	2.75	1.75	9.00	4.00
	LJ600-103	0.0100	3.75	1.75	9.00	5.00
	LJ600-203	0.0200	3.75	2.75	9.00	5.00
	LJ600-503	0.0500	4.75	3.75	10.00	6.00
	LJ600-603	0.0600	5.75	3.75	9.00	7.00
	LJ600-104	0.1000	6.75	4.75	9.00	8.00
	LJ600-124	0.1200	6.75	4.75	10.00	8.00
	LJ600-154	0.1500	6.75	5.75	10.00	8.00
	LJ600-204	0.2000	8.75	5.75	10.00	10.00
	LJ600-154	0.2500	10.75	5.75	10.00	12.00
	LJ600-304	0.3000	10.75	4.75	11.50	12.00



Styles CF, EP, DF, FF, Will Have Larger Dimensions!

VDC	Model	µF	A	B	C	D
80,000	LJ800-502	0.0050	3.75	1.75	11.00	5.00
	LJ800-103	0.0100	4.75	1.75	11.00	6.00
	LJ800-203	0.0200	4.75	2.75	11.00	5.00
	LJ800-303	0.0300	4.75	3.75	11.00	6.00
	LJ800-503	0.0500	5.75	3.75	12.75	7.00
	LJ800-603	0.0600	6.75	3.75	12.00	8.00
	LJ800-104	0.1000	6.75	5.75	11.00	8.00
	LJ800-124	0.1200	8.75	5.75	11.00	10.00
	LJ800-154	0.1500	8.75	5.75	12.00	10.00
	LJ800-204	0.2000	10.75	5.75	12.50	12.00
	LJ800-254	0.2500	10.75	7.75	12.00	12.00
100,000	LJ1000-202	0.0020	2.75	1.75	14.00	4.00
	LJ1000-302	0.0030	2.75	1.75	16.00	4.00
	LJ1000-502	0.0050	3.75	1.75	13.25	5.00
	LJ1000-103	0.0100	4.75	1.75	15.00	6.00
	LJ1000-203	0.0200	4.75	2.75	15.00	6.00
	LJ1000-303	0.0300	4.75	3.75	15.00	6.00
	LJ1000-503	0.0500	6.75	3.75	15.00	8.00
	LJ1000-603	0.0600	6.75	4.75	14.00	8.00
	LJ1000-104	0.1000	8.75	5.75	14.00	10.00
	LJ1000-124	0.1200	8.75	5.75	15.00	10.00
	LJ1000-154	0.1500	10.75	5.75	15.00	12.00
	LJ1000-204	0.2000	10.75	7.75	15.50	12.00
	LJ1000-254	0.2500	10.75	7.75	18.00	12.00
120,000	LJ1200-202	0.0020	2.75	1.75	18.00	4.00
	LJ1200-302	0.0030	2.75	1.75	16.00	4.00
	LJ1200-502	0.0050	3.75	1.75	13.25	5.00
	LJ1200-602	0.0060	3.75	1.75	18.50	5.00
	LJ1200-103	0.0100	3.75	2.75	18.00	5.00
	LJ1200-203	0.0200	4.75	2.75	18.00	6.00
	LJ1200-303	0.0300	5.75	3.75	18.00	7.00
	LJ1200-503	0.0500	6.75	3.75	19.50	8.00
	LJ1200-603	0.0600	6.75	4.75	18.50	8.00
	LJ1200-104	0.1000	8.75	4.00	21.75	10.00
	LJ1200-124	0.1200	10.75	5.75	18.00	12.00
	LJ1200-154	0.1500	10.75	6.75	18.00	12.00
	LJ1200-204	0.2000	10.75	7.75	21.00	12.00
150,000	LJ1500-202	0.0020	2.75	1.75	21.00	4.00
	LJ1500-502	0.0050	3.75	1.75	22.00	5.00
	LJ1500-103	0.0100	3.75	2.75	25.50	5.00
	LJ1500-203	0.0200	4.75	3.75	21.00	6.00
	LJ1500-303	0.0300	6.75	3.75	21.00	8.00
	LJ1500-503	0.0500	6.75	5.75	21.00	8.00
	LJ1500-104	0.1000	10.75	5.75	21.00	12.00
	LJ1500-124	0.1200	10.75	6.75	22.00	12.00
	LJ1500-154	0.1500	10.75	7.75	23.00	12.00
200,000	LJ2000-102	0.0010	2.75	1.75	26.00	4.00
	LJ2000-202	0.0020	3.75	1.75	26.00	5.00
	LJ2000-302	0.0030	3.75	1.75	26.00	5.00
	LJ2000-502	0.0050	4.75	1.75	26.00	6.00
	LJ2000-103	0.0100	4.75	2.75	27.00	6.00
	LJ2000-203	0.0200	5.75	3.75	27.00	7.00
	LJ2000-303	0.0300	6.75	4.75	26.00	8.00
	LJ2000-503	0.0500	8.75	5.75	26.00	10.00
	LJ2000-603	0.0600	8.75	5.75	27.50	10.00
	LJ2000-104	0.1000	10.75	7.75	27.00	12.00

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