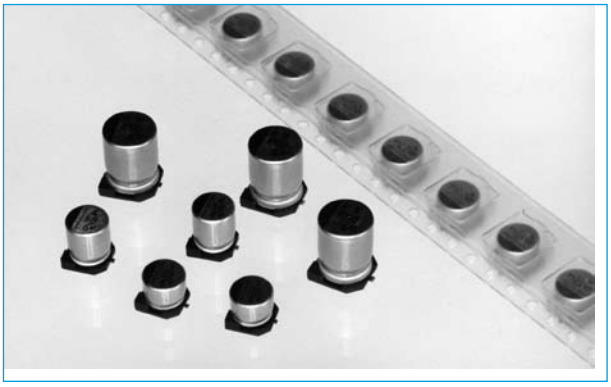
- Cylindrical leadless type for surface mounting
- Very low impedance and high ripple current at 100K Hz
- Suitable for DC-DC converter, DC-AC inverter, etc.
- New expanded CV range, up to 1500µF
- Anti-solvent (2 minutes)
- Designed for automatic mounting and reflow soldering



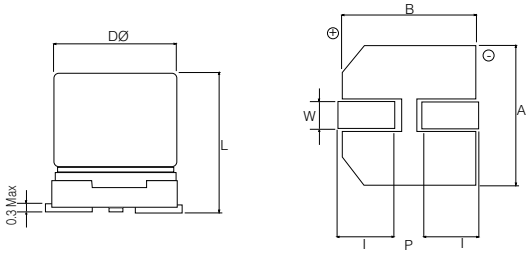
SPECIFICATION

Item	Performance							
Category Temperature Range (°C)	−50 to +105							
Tolerance of Rated Capacity (%)	± 20							
Leakage Current (µA)	Less than 0.01CV or 3 whichever is larger (after 2min) C: rated capacitance (µF)							
Tangent of Loss Angle (tan∂)	Rated Voltage (V)		6.3	10	16	25	35	50
	tan∂ (max)		0.28	0.24	0.20	0.16	0.14	0.10
Characteristics at high and low temperature	Rated Voltage (V)		6.3	10	16	25	35	50
	Impedance Ratio (max)	Z−25°C / Z+20°C	4	3	2	2	2	2
		Z−55°C / Z+20°C	8	5	4	3	3	3
Endurance (105°C) (Applied Ripple Current)	Test Time		2000 hours (8 x 6.5 or less: 1000 hours)					
	Leakage Current		The initial specified value or less					
	Percentage of Capacitance Change		Within ± 25% of initial value					
	Tangent of Loss Angle		200% or less of the initial specified value					
Shelf Life (105°C)	Test Time: 1000 hours: other items are the same as those for endurance. JIS C5101-1							
Applicable Standards	JIS C1501-1, −18 1998 (IEC600384-1 1992, -18 1993)							

COEFFICIENT OF FREQUENCY FOR RATED RIPPLE CURRENT

Frequency (Hz)/Rated Voltage	50-60	120	1k	10k - 100k
6.3 to 50	0.64	0.5	0.75	1

OUTLINE DRAWING



Dimensions in mm

D Ø	L	A	B	I	W	P
4	5.8 +/- 0.3	4.3	4.3	2.0	0.5 to 0.8	1.0
5	5.8 +/- 0.3	5.3	5.3	2.3	0.5 to 0.8	1.5
6.3	5.8 +/- 0.3	6.6	6.6	2.7	0.5 to 0.8	2.0
6.3	7.7 +/- 0.3	6.6	6.6	2.7	0.5 to 0.8	2.0
8	10.5 +/- 0.5	8.4	8.4	3.0	0.7 to 1.1	3.1
10	10.5 +/- 0.5	10.4	10.4	3.3	0.7 to 1.1	4.7

ORDERING INFORMATION

DVJL	47	6.3	LF
Range	Capacitance µF	Voltage	Lead Free

RANGE & CASE SIZE DØ x Lmm

Part No.	W.V (V.DC)	Cap (µF)	ESR (120Hz/+20°C) max	Ripple Current (120Hz/+105°C) (mA) rms max	Size dia/height
DVJL476.3-LF	6.3	47	0.76	150	5X5.8
DVJL1006.3-LF	6.3	100	0.44	230	6.3X5.8
DVJL1506.3-LF	6.3	150	0.44	230	6.3X5.8
DVJL2206.3-LF	6.3	220	0.44	230	6.3X5.8
DVJL3306.3-LF	6.3	330	0.34	280	6.3X7.7
DVJL4706.3-LF	6.3	470	0.17	450	8X10.5
DVJL6806.3-LF	6.3	680	0.17	450	8X10.5
DVJL10006.3-LF	6.3	1000	0.17	450	8X10.5
DVJL15006.3-LF	6.3	1500	0.09	670	10X10.5
DVJL2210-LF	10	22	1.8	80	4X5.8
DVJL3310-LF	10	33	0.76	150	5X5.8
DVJL6810-LF	10	68	0.44	230	6.3X5.8
DVJL22010-LF	10	220	0.34	280	6.3X7.7
DVJL33010-LF	10	330	0.17	450	8X10.5
DVJL47010-LF	10	470	0.17	450	8X10.5
DVJL100010-LF	10	1000	0.09	670	10X10.5
DVJL1516-LF	16	15	1.8	80	4X5.8
DVJL2216-LF	16	22	0.76	150	5X5.8
DVJL4716-LF	16	47	0.44	230	6.3X5.8
DVJL6816-LF	16	68	0.44	230	6.3X5.8
DVJL10016-LF	16	100	0.44	230	6.3X5.8
DVJL15016-LF	16	150	0.34	280	6.3X7.7
DVJL22016-LF	16	220	0.34	280	6.3X7.7
DVJL33016-LF	16	330	0.17	450	8X10.5
DVJL47016-LF	16	470	0.17	450	8X10.5
DVJL68016-LF	16	680	0.09	670	10X10.5
DVJL1025-LF	25	10	1.8	80	4X5.8
DVJL1525-LF	25	15	0.76	150	5X5.8
DVJL2225-LF	25	22	0.76	150	5X5.8
DVJL3325-LF	25	33	0.44	230	6.3X5.8
DVJL4725-LF	25	47	0.44	230	6.3X5.8
DVJL6825-LF	25	68	0.44	230	6.3X5.8
DVJL10025-LF	25	100	0.34	280	6.3X7.7
DVJL15025-LF	25	150	0.17	450	8X10.5
DVJL22025-LF	25	220	0.17	450	8X10.5
DVJL33025-LF	25	330	0.17	450	8X10.5
DVJL47025-LF	25	470	0.09	670	10X10.5
DVJL4.735-LF	35	4.7	3.2	65	4X5.3
DVJL1035-LF	35	10	0.76	150	5X5.8
DVJL1535-LF	35	15	0.76	150	5X5.8
DVJL2235-LF	35	22	0.76	150	5X5.8
DVJL3335-LF	35	33	0.44	230	6.3X5.8
DVJL4735-LF	35	47	0.44	230	6.3X5.8
DVJL6835-LF	35	68	0.34	280	6.3X7.7
DVJL15035-LF	35	150	0.17	450	8X10.5
DVJL22035-LF	35	220	0.17	450	8X10.5
DVJL33035-LF	35	330	0.09	670	10X10.5
DVJL1050-LF	50	10	0.86	170	6.3X6.3
DVJL2250-LF	50	22	0.86	170	6.3X6.3
DVJL3350-LF	50	33	0.66	195	6.3X8
DVJL4750-LF	50	47	0.66	195	6.3X8
DVJL10050-LF	50	100	0.32	350	8X10.5
DVJL22050-LF	50	220	0.18	700	10X10.5