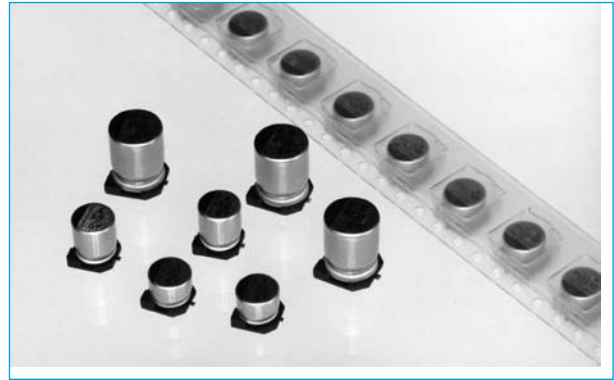


SURFACE MOUNT

SMD - 105 °C LOW IMPEDANCE DVJL

- 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



SECTION 1

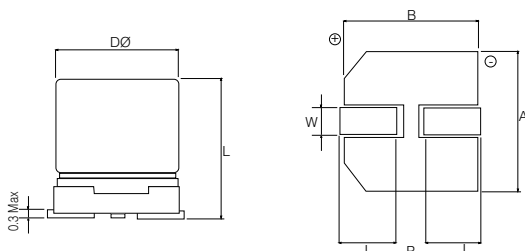
SPECIFICATION

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 (tanδ)	Rated Voltage (V)	6.3	10	16	25	35	50	
	tanδ (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



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

Dimensions in mm

ORDERING INFORMATION

DVJL	47	6.3	LF
Range	Capacitance µF	Voltage	Lead Free

RANGE & CASE SIZE DØ x Lmm
SECTION 1

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