

nichicon

series

-
- JD JL
- High Energy Density High Power Density
- JC



Item	Performance Characteristics		
Category Temperature Range	- 25 to + 60°C		
Rated Voltage Range	2.5V		
Rated Capacitance Range	470 to 3300F See Note		
Capacitance Tolerance	±20% (20°C)		
Leakage Current	0.5C (mA) [C : Rated Capacitance(F)] (After 30 minutes' application of rated voltage, 2.5V)		
Stability at Temperature	Capacitance (- 25°C) /Capacitance (+20°C) ×100 ≥ 70%		
DCR*	Refer to the list below (20°C). *DC internal resistance		
Endurance	The specifications listed at right shall be met when the capacitors are restored to 20°C after the rated voltage is applied for 2000 hours at 60°C.	Capacitance change	Within ±30% of initial value
		DCR	300% or less of initial specified value
		Leakage current	Less than or equal to the initial specified value
Shelf Life	The specifications listed at right shall be met when the capacitors are restored to 20°C after storing the capacitors under no load for 2000 hours at 60°C.	Capacitance change	Within ±30% of initial value
		DCR	300% or less of initial specified value
		Leakage current	Less than or equal to the initial specified value
Marking	Printed with white color letter on black sleeve.		

Technical drawing of the 3000 series pressure washer, showing side and top views with dimensions and labels.

Side View Dimensions:

- Top diameter: $\phi 35$
- Labels: Bottom plate, Sleeve, Hexagonal headed bolt (M5)
- Distance from top to center of sleeve: 12.7 ± 1
- Total height: $35 \pm 2 \text{ MAX.}$
- Distance from bottom to center of sleeve: 10
- Distance from bottom to center of sleeve (tolerance): 15 ± 0.5
- Bottom plate thickness: $\pm 3 \text{ MAX.}$
- Bottom flange diameter: 6 ± 1

Top View Dimensions:

- Pressure relief vent
- Distance from center to pressure relief vent: 3.5
- Distance from center to bottom flange: 10
- Distance from center to bottom flange (tolerance): 45 ± 1
- Distance from center to bottom flange (tolerance): 7
- Distance from center to bottom flange (tolerance): 24
- Distance from center to bottom flange (tolerance): 29 ± 1
- Angle: 30°

1	2	3	4	5	6	7	8	9	10	11	12	13	14		
J	J	C	O	E	4	7	7	M	S	E	C				
												Mounting bracket			
												Case dia. code (φ35)			
Configuration ※												φD	Code	Code less	2-leg brackets
Capacitance tolerance (±20%)												35	C	BN	No brackets
Rated Capacitance (470F)												51	F		
Rated voltage (2.5V)												63.5	G		
Series name												76.2	H	Code less	3-leg brackets
Type												90	J	BB	2-leg brackets
														BN	No bracket

※ Configuration

Cr (III) Plating (RoHS compliant)
SE

Rated Voltage (Code)	Cap. (F)	Cap. code	DCR (mΩ)	Case size ϕD×L (mm)	
				ϕ D	L
2.5V (0E)	470	477	16	35	120
	1000	108	9	51	120
	1200	128	8		160
	1500	158	7		120
	1800	188	6	63.5	160
	2200	228	5		120
	2700	278	5	76.2	160
	3300	338	4		90

- | ϕ D | W | ℓ | α | Nominal of bolt |
|----------|------|--------|----------|-----------------|
| 51 | 22.0 | 6 | 3 | M5 |
| 63.5 | 28.6 | 6 | 3 | M5 |
| 76.2 | 31.8 | 6 | 3 | M5 |
| 90 | 31.8 | 6 | 3 | M5 |

	3-Legs				2-Legs			
ϕ D Symbol	51	63.5	76.2	90	51	63.5	76.2	90
P	32.5	38.1	44.5	50.8	33.2	40.5	46.5	53
A	38.5	43	49.2	58.5	40	46.5	53	59
T	7.5	8.0	7.0	8.0	6.0	7.0	6.0	6.0
S	5.0	5.0	5.0	5.0	4.5	4.5	4.5	4.5
U	12	14	14	18	14	14	14	14
θ°	60	60	60	60	30	30	30	30
H	20	25	30	35	25	35	35	35
h	15	20	24	25	15	20	20	20

CAT.8100X