

Aluminum Electrolytic Type / Surface Mount Type

RoHS compliance

VN Series

Bi-polar

5.4mm Height

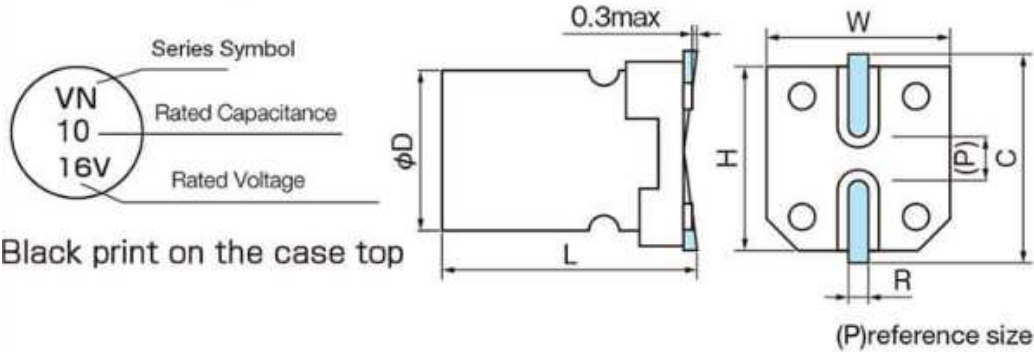


- 105°C 2,000hours
- Solvent proof (within 2 minutes)

■ Specifications

Items		Condition		Specifications					
Rated voltage (V)		-		6.3	10	16	25	35	50
Surge voltage (V)		Room temperature		8.0	13	20	32	44	63
Category temperature range (°C)		-		-55 to +105					
Capacitance tolerance (%)		120Hz/20°C		M : ±20					
Dissipation Factor(tan δ)		tanδ(max) 120Hz/20°C		0.32	0.26	0.24	0.22	0.20	0.20
Leakage current(LC)		μA/after 2 minutes (max)		0.03CV + 6μA					
Impedance ratio at low temperature	Based on the value at 120Hz, +20°C	-25°C	Z/Z _{20°C}	4	3	2	2	2	2
		-55°C	Z/Z _{20°C}	10	8	6	4	3	3
Endurance	500hours×4(alternately) 105°C, rated voltage applied (With the rated ripple current)	ΔC/C		Within ±30% of the initial value					
		tanδ		Less than 200% of the specified value					
		LC		Less than the specified value					

■ Marking, Dimensions



(Unit : mm)

D ^{±0.5}	L ^{±0.4}	W ^{±0.2}	H ^{±0.2}	C ^{±0.2}	R	P ^{±0.2}
4	5.4	4.3	4.3	5.1	0.5 to 0.8	1.0
5	5.4	5.3	5.3	6.1	0.5 to 0.8	1.3
6.3	5.4	6.6	6.6	7.3	0.5 to 0.8	2.2
6.3	7.7	6.6	6.6	7.3	0.5 to 0.8	2.2

■ Ripple Current Frequency Coefficient

Frequency:F(Hz)		100≤F<1k	1k≤F<10k	10k≤F<100k	100k≤F
Capacitance:C(μF)	C≤4.7	1.00	1.30	1.50	1.80
	4.7<C≤33	1.00	1.20	1.30	1.45
	33<C	1.00	1.10	1.20	1.30

■ Size, Rated Ripple Current

μF \ V	6.3		10		16		25		35		50	
1.0											4×5.4	10
2.2									4×5.4	8.4	5×5.4	15
3.3							4×5.4	10	5×5.4	16	5×5.4	18
4.7					4×5.4	12	5×5.4	16	5×5.4	18	6.3×5.4	20
10			4×5.4	17	5×5.4	23	6.3×5.4	28	6.3×5.4	27	6.3×5.4	25
22			5×5.4	28	6.3×5.4	37	6.3×5.4	35	6.3×5.4	30	6.3×7.7	35
33	6.3×5.4	37	6.3×5.4	33	6.3×5.4	49	6.3×7.7	50	6.3×7.7	35		
47	6.3×5.4	45	6.3×5.4	41	6.3×7.7	55						
100	6.3×7.7	82	6.3×7.7	60								

Case size: ϕ D(mm)

Rated ripple current
mA_{rms}(120Hz, 105°C)