MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS

NZD Series

- 105℃ 5,000Hrs assured

Solvent-proof

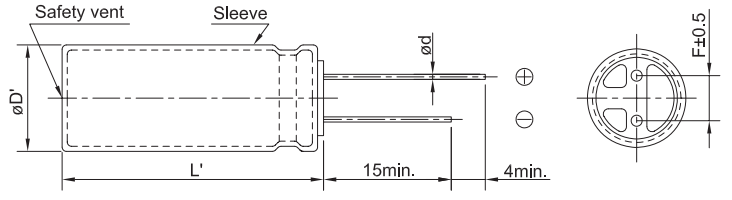
- For car air bag circuit
- RoHS compliant.
- Halogen-free capacitors are also available.

SPECIFICATIONS

Item	Characteristics
Rated Voltage Range	16 ~ 35 V_{DC}
Operating Temperature Range	-55 ~ +105℃
Capacitance Tolerance	0% ~ 30%(S) (at 20℃, 120Hz)
Leakage Current	I=0.01CV(㎂) Where, I:Max. leakage current(㎂), C:Nominal capacitance(㎌), V:Rated voltage(V_{DC}) (at 20℃, 2 minutes)
Dissipation Factor (Tanδ)	Rated Voltage(V_{DC}) 16 / 25 / 35 Tanδ(Max.) 0.16 / 0.14 / 0.12 When the capacitance exceeds 1,000㎌, 0.02 shall be added every 1,000㎌ increase. (at 20℃, 120Hz)
Temperature Characteristics (Max. Impedance ratio)	Rated Voltage(V_{DC}) 16 / 25 / 35 Z(-55℃)/Z(20℃) 3 (at 120Hz)
Load Life	The following specifications shall be satisfied when the capacitors are restored to 20℃ after the rated voltage is applied at 105℃ for 5,000 hours. Capacitance change ≦ ±25% of the initial value Tanδ ≦ 200% of the initial specified value Leakage current ≦ The initial specified value
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20℃ after exposing them for 1,000 hours at 105℃ without voltage applied. The rated voltage shall be applied to the capacitors for a minimum of 30 minutes, at least 24 hours and not more than 48 hours before the measurements. Capacitance change ≦ ±20% of the initial value Tanδ ≦ 200% of the initial specified value Leakage current ≦ The initial specified value
Others	Satisfied characteristics KS C IEC 60384-4

DIMENSIONS OF NZD Series

Unit (mm)



Marking : DARK BROWN SLEEVE, SILVER INK

øD	12.5	16	18
ød	0.6	0.8	0.8
F	5.0	7.5	7.5
øD′	øD+1.0 max.		
L′	L+2.0 max.		

DIMENSIONS OF NZD Series

WVDC	16		
μF	ØD×L(mm)	Rated Ripple Current (mArms/105℃, 100kHz)	Impedance (mΩ max./20℃, 100kHz)
2,200	12.5×20	1,660	38
2,700	12.5×25	1,950	30
3,300	16×20	2,210	29
4,700	16×25	2,560	22
4,700	18×20	2,490	28
5,600	18×25	2,740	20

WVDC	25		
μF	ØD×L(mm)	Rated Ripple Current (mArms/105℃, 100kHz)	Impedance (mΩ max./20℃, 100kHz)
1,200	12.5×20	1,660	38
1,800	12.5×25	1,950	30
2,200	16×20	2,210	29
3,300	16×25	2,560	22
2,700	18×20	2,490	28
3,900	18×25	2,740	20

WVDC	35		
μF	ØD×L(mm)	Rated Ripple Current (mArms/105℃, 100kHz)	Impedance (mΩ max./20℃, 100kHz)
820	12.5×20	1,660	38
1,200	12.5×25	1,950	30
1,500	16×20	2,210	29
1,800	16×25	2,560	22
1,800	18×20	2,490	28
2,700	18×25	2,740	20